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**SPOJEVI TRIAZOLA I POSTUPCI DOBIVANJA I NJIHOVA UPOTREBA**

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alternativno,  $R^{102}$  i  $R^{103}$  uzeti zajedno s atomom ugljika na koji su vezani tvore (a) karbonilne skupine ili (b) 3-7 člani zasićeni ili nezasićeni ili aromatski karbociklički ili heterociklički prsten koji može proizvoljno biti supstituiran s jednom ili više skupina  $R^{114}$ ;

alternativno,  $R^{101}$  i  $R^{103}$  uzeti zajedno su jednostruka veza između odgovarajućih ugljikovih atoma na koje su ove dvije grupe vezane i time stvaraju dvostruku vezu između atoma ugljika na koje su vezani  $R^{100}$  i  $R^{102}$ ;

alternativno,  $R^{101}$  i  $R^{103}$  uzeti zajedno s atomima ugljika na koje su vezani tvore 3-člani zasićeni ili nezasićeni ili aromatski karbociklički ili heterociklički prsten koji može proizvoljno biti supstituiran s jednom ili više skupina  $R^{114}$ ;

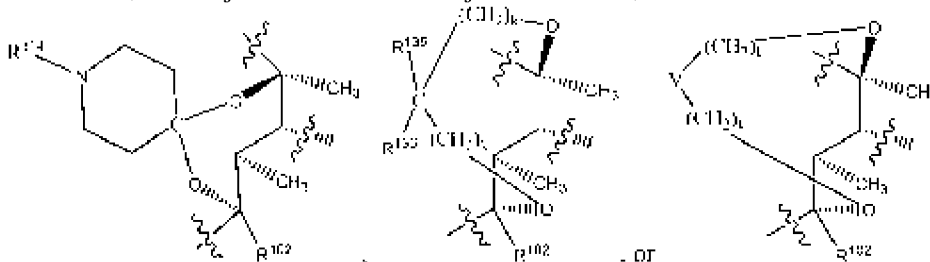
$R^{104}$  je odabran od:

(a) H, (b)  $R^{114}$ , (c)  $-C(O)R^{114}$ , (d)  $-C(O)OR^{114}$ , (e)  $-C(O)NR^{114}R^{114}$ , (f)  $-C_{1-6}$ alkil-K- $R^{114}$ , (g)  $-C_{2-6}$  alkenil-K- $R^{114}$ , i (h)  $-C_{2-6}$  alkinil-K- $R^{114}$ ;

K je odabran od:

(a)  $-C(O)-$ , (b)  $-C(O)O-$ , (c)  $-C(O)NR^{114}-$ , (d)  $-C(=NR^{114})-$ , (e)  $-C(=NR^{114})O-$ , (f)  $-C(=NR^{114})NR^{114}-$ , (g)  $-OC(O)-$ , (h)  $-OC(O)O-$ , (i)  $-OC(O)NR^{114}-$ , (j)  $-NR^{114}C(O)-$ , (k)  $-NR^{114}C(O)O-$ , (l)  $-NR^{114}C(O)NR^{114}-$ , (m)  $-NR^{114}C(=NR^{114})NR^{114}-$ , i (n)  $-S(O)_p-$ ;

alternativno  $R^{103}$  i  $R^{104}$ , uzeti zajedno s atomima na koje su oni vezani, tvore:



pri čemu  $R^{135}$  i  $R^{136}$  su odabrani iz niza koji čine (a) vodik, (b)  $C_{1-6}$  alkil, (c)  $C_{2-6}$  alkenil, (d)  $C_{2-6}$  alkinil, (e)  $C_{3-14}$  zasićeni ili nezasićeni ili aromatski karbocikal, (f) F, (g) Br, (h) I, (i) OH, i (j)  $-N_3$ , pri čemu su (b) do (e) proizvoljno supstituirani s jednim ili više  $R^{117}$ , ili alternativno,  $R^{135}$  i  $R^{136}$  se uzimaju zajedno tako da tvore  $=O$ ,  $=S$  i  $=NR^{114}$ ,  $=NOR^{114}$ ,  $=NR^{114}$  i  $=N-NR^{114}R^{114}$ ,

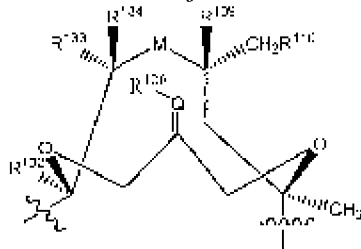
pri čemu je V odabran od:

(a)  $-(C_1-C_4-alkil)-$ , (b)  $-(C_4-alkenil)-$ , (c) O, (d) S, i (e)  $NR^{114}$ , pri čemu su (a) i (b) proizvoljno dodatno supstituirani s jednim ili više  $R^{117}$ ;

$R^{105}$  je odabran od:

(a)  $R^{114}$ , (b)  $-OR^{114}$ , (c)  $-NR^{114}R^{114}$ , (d)  $-O-C_{1-6}$  alkil- $R^{115}$ , (e)  $-C(O)-R^{114}$ , (f)  $-C(O)-C_{1-6}$  alkil- $R^{115}$ , (g)  $-OC(O)-R^{114}$ , (h)  $-OC(O)-C_{1-6}$  alkil- $R^{115}$ , (i)  $-OC(O)O-R^{114}$ , (j)  $-OC(O)O-C_{1-6}$  alkil- $R^{115}$ , (k)  $-OC(O)NR^{114}R^{114}$ , (l)  $-OC(O)NR^{114}-C_{1-6}$  alkil- $R^{115}$ , (m)  $-C(O)-C_{2-6}$  alkenil- $R^{115}$ , i (n)  $-C(O)-C_{2-6}$  alkinil- $R^{115}$ ;

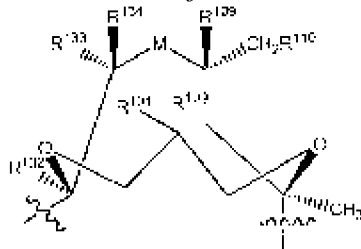
alternativno,  $R^{104}$  i  $R^{105}$ , uzeti zajedno s atomima na koje su oni vezani, tvore



pri čemu

Q je CH ili N, i  $R^{126}$  je  $-OR^{114}$ ,  $-NR^{114}$  ili  $R^{114}$ ;

alternativno,  $R^{104}$  i  $R^{105}$ , uzeti zajedno s atomima na koje su oni vezani, tvore:

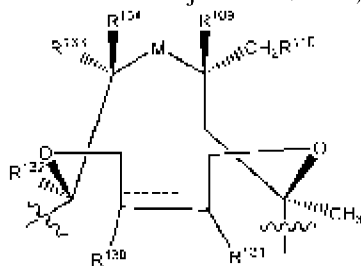


pri čemu

i)  $R^{101}$  je kako je gore definirano;

ii) alternativno,  $R^{101}$  i  $R^{109}$  mogu se uzeti zajedno s ugljikom na koji su oni vezani tako da tvore karbonilne skupine;

iii) alternativno,  $R^{101}$  i  $R^{109}$  mogu se uzeti zajedno kako bi tvorili skupinu  $-O(CR^{116}R^{116})_uO-$ ; alternativno,  $R^{104}$  i  $R^{105}$ , uzeti zajedno s atomima na koje su oni vezani, tvore:



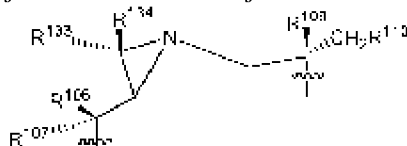
pri čemu u prethodnoj strukturi točkasta crta označava proizvoljnu dvostruku vezu

i)  $R^{130}$  je  $-OH$  ili  $R^{114}$ ,

ii)  $R^{131}$  je  $-OH$  ili  $R^{114}$ ,

iii) alternativno,  $R^{130}$  i  $R^{131}$  zajedno s atomima ugljika na koje su oni vezani tvore 3-7 člani zasićeni ili nezasićeni ili aromatski karbociklički ili heterociklički prsten koji može proizvoljno biti supstituiran s jednom ili više skupina  $R^{114}$ ,

iv) alternativno,  $R^{130}$  i ugljik na koji je vezan ili  $R^{131}$  i ugljik na koji je vezan su svaki neovisno  $-C(=O)-$ , alternativno,  $R^{105}$ ,  $R^{132}$  i  $M$ , uzeti zajedno s atomima na koje su oni vezani, tvore:



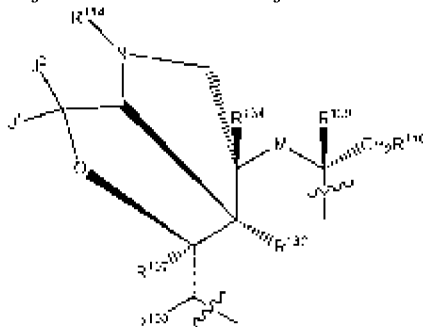
$R^{106}$  je odabran od:

(a)  $-OR^{114}$ , (b)  $-C_{1-6}$  alkoksi- $R^{115}$ , (c)  $-C(O)R^{114}$ , (d)  $-OC(O)R^{114}$ , (e)  $-OC(O)OR^{114}$ , (f)  $-OC(O)NR^{114}R^{114}$ , i (g)  $-NR^{114}R^{114}$ ,

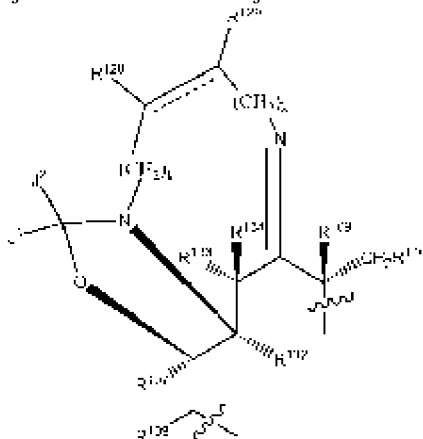
alternativno,  $R^{105}$  i  $R^{106}$  uzeti zajedno s atomima na koje su oni vezani tvore 5-člani prsten međusobnim spajanjem preko kemijske skupine koja se bira od:

(a)  $-OC(R^{115})_2O-$ , (b)  $-OC(O)O-$ , (c)  $-OC(O)NR^{114}-$ , (d)  $-NR^{114}C(O)O-$ , (e)  $-OC(O)NOR^{114}-$ , (f)  $-NOR^{114}-C(O)O-$ , (g)  $-OC(O)NNR^{114}R^{114}-$ , (h)  $-NNR^{114}R^{114}-C(O)O-$ , (i)  $-OC(O)C(R^{115})_2-$ , (j)  $-C(R^{115})_2C(O)O-$ , (k)  $-OC(S)O-$ , (l)  $-OC(S)NR^{114}-$ , (m)  $-NR^{114}C(S)O-$ , (n)  $-OC(S)NOR^{114}-$ , (o)  $-NOR^{114}-C(S)O-$ , (p)  $-OC(S)NNR^{114}R^{114}-$ , (q)  $-NNR^{114}R^{114}-C(S)O-$ , (r)  $-OC(S)C(R^{115})_2-$ , i (s)  $-C(R^{115})_2C(S)O-$ ;

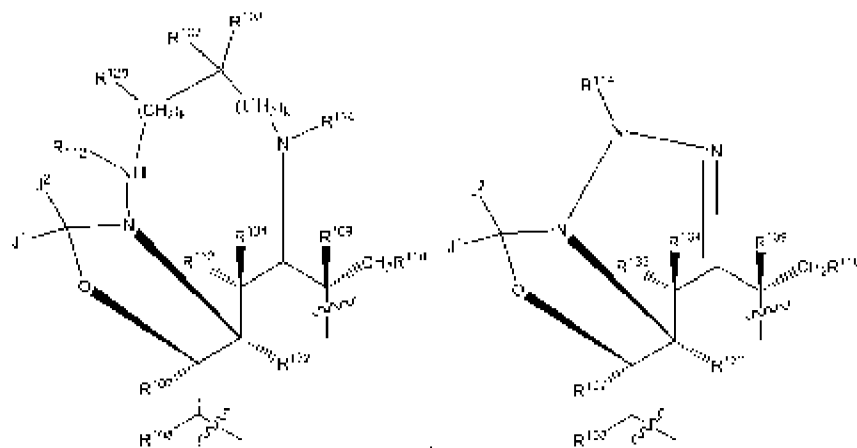
alternativno,  $R^{105}$ ,  $R^{106}$ , i  $R^{133}$  uzeti zajedno s atomima na koje su oni vezani tvore:



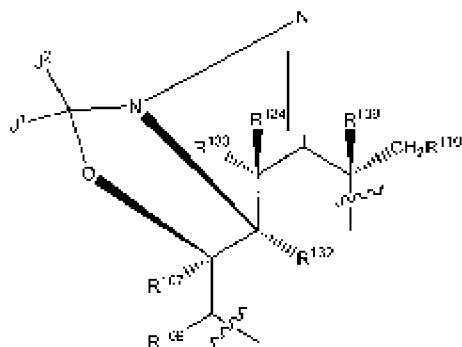
alternativno,  $M$ ,  $R^{105}$ , i  $R^{106}$  uzeti zajedno s atomima na koje su oni vezani tvore:



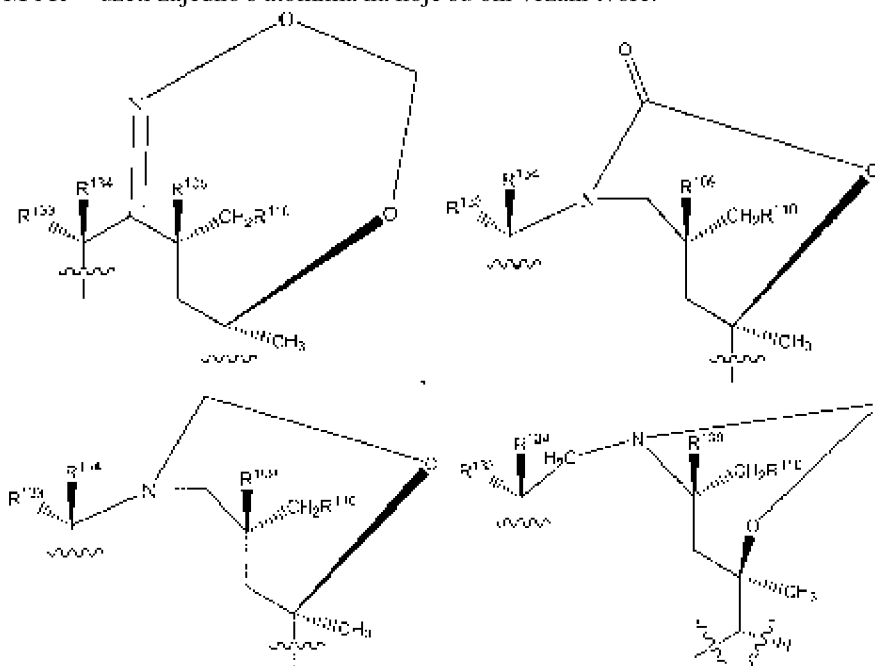
pri čemu u prethodnoj strukturi točkasta crta označava proizvoljnu dvostruku vezu,

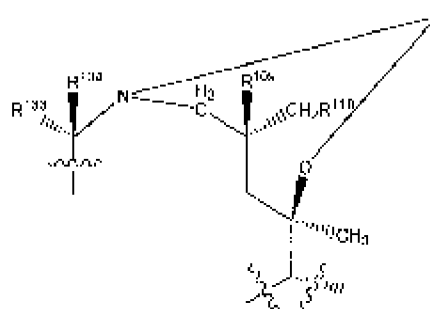


ili



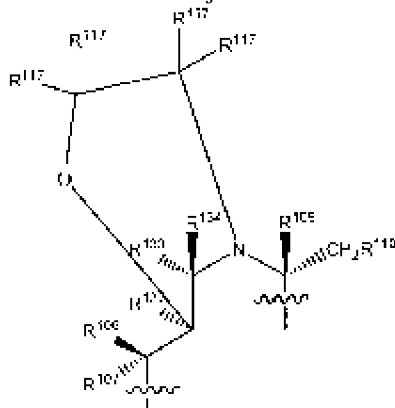
pri čemu su  $J^1$  i  $J^2$  odabrani od vodika, Cl, F, Br, I, OH,  $-C_{1-6}$  alkila, i  $-O(C_{1-6}$  alkil) ili se uzimaju zajedno tako da tvore  $=O$ ,  $=S$  i  $=NR^{114}$ ,  $=NOR^{114}$ ,  $=NR^{114}$ , i  $=N-NR^{114}R^{114}$ .  
alternativno, M i  $R^{104}$  uzeti zajedno s atomima na koje su oni vezani tvore:





pri čemu je U odabran od (a) -(C<sub>4</sub>-alkil)- i (b) -(C<sub>4</sub>-alkenil)-, pri čemu su (a) i (b) proizvoljno dodatno supstituirani s jednim ili više R<sup>117</sup>;

alternativno, M i R<sup>105</sup> su uzeti zajedno s atomima na koje su oni vezani tako da tvore:



R<sup>107</sup> je odabran od

(a) H, (b) -C<sub>1-4</sub> alkila, (c) -C<sub>2-4</sub> alkenila, koji se može dodatno supstituirati s C<sub>1-12</sub> alkilom ili jednim ili više halogena, (d) -C<sub>2-4</sub> alkinila, koji se može dodatno supstituirati s C<sub>1-12</sub> alkilom ili jednim ili više halogena, (e) arila ili heteroarila, koji se može dodatno supstituirati s C<sub>1-12</sub> alkilom ili jednim ili više halogena, (f) -C(O)H, (g) -COOH, (h) -CN, (i) -COOR<sup>114</sup>, (j) -C(O)NR<sup>114</sup>R<sup>114</sup>, (k) -C(O)R<sup>114</sup>, i (l) -C(O)SR<sup>114</sup>, pri čemu je (b) dodatno supstituiran s jednim ili više supstituenata koji se biraju od (aa) -OR<sup>114</sup>, (bb) halogena, (cc) -SR<sup>114</sup>, (dd) C<sub>1-12</sub> alkila, koji se može dodatno supstituirati s halogenom, hidroksilom, C<sub>1-6</sub> alkoksi, ili amino, (ee) -OR<sup>114</sup>, (ff) -SR<sup>114</sup>, (gg) -NR<sup>114</sup>R<sup>114</sup>, (hh) -CN, (ii) -NO<sub>2</sub>, (jj) -NC(O)R<sup>114</sup>, (kk) -COOR<sup>114</sup>, (ll) -N<sub>3</sub>, (mm) =N-O-R<sup>114</sup>, (nn) -NR<sup>114</sup>, (oo) -N-NR<sup>114</sup>R<sup>114</sup>, (pp) -N-NH-C(O)R<sup>114</sup>, i (qq) =N-NH-C(O)NR<sup>114</sup>R<sup>114</sup>;

alternativno R<sup>106</sup> i R<sup>107</sup> su uzeti zajedno s atomom na koji su vezani tako da tvore epoksid, karbonil, olefin, ili supstituirani olefin, ili C<sub>3</sub>-C<sub>7</sub> karbociklički, karbonat, ili karbamat, pri čemu dušik iz navedenog karbamata može biti nadalje supstituiran s C<sub>1</sub>-C<sub>6</sub> alkilom;

R<sup>108</sup> je odabran od:

(a) C<sub>1-6</sub> alkila, (b) C<sub>2-6</sub> alkenila, i (c) C<sub>2-6</sub> alkinila,

pri čemu je bilo koji od (a)-(c) proizvoljno supstituiran s jednom ili više skupina R<sup>114</sup>;

R<sup>112</sup> je odabran od H, OH, i OR<sup>114</sup>;

R<sup>114</sup>, pri svakom pojavljivanju, neovisno je odabran iz niza koji čine:

(a) H, (b) C<sub>1-6</sub> alkil, (c) C<sub>2-6</sub> alkenil, (d) C<sub>2-6</sub> alkinil, (e) C<sub>6-10</sub> zasićeni ili nezasićeni, ili aromatski karbocikal, (f) 3-12 člani zasićeni ili nezasićeni, ili aromatski heterocikal koji sadrži jedan ili više heteroatoma koji se biraju od dušika, kisika, te sumpora, (g) -C(O)-C<sub>1-6</sub> alkil, (h) -C(O)-C<sub>2-6</sub> alkenil, (i) -C(O)-C<sub>2-6</sub> alkinil, (j) -C(O)-C<sub>6-10</sub> zasićeni ili nezasićeni, ili aromatski karbocikal, (k) -C(O)-3-12 člani zasićeni ili nezasićeni, ili aromatski heterocikal koji sadrži jedan ili više heteroatoma koji se biraju od dušika, kisika, te sumpora, (l) -C(O)O-C<sub>1-6</sub> alkil, (m) -C(O)O-C<sub>2-6</sub> alkenil, (n) -C(O)O-C<sub>2-6</sub> alkinil, (o) -C(O)O-C<sub>6-10</sub> zasićeni ili nezasićeni, ili aromatski karbocikal, (p) -C(O)O-3-12 člani zasićeni ili nezasićeni, ili aromatski heterocikal koji sadrži jedan ili više heteroatoma koji se biraju od dušika, kisika, te sumpora, (q) -C(O)NR<sup>116</sup>R<sup>116</sup>, (r) -NR<sup>116</sup>CO-C<sub>2-6</sub> alkil, (s) -NR<sup>116</sup>CO-C<sub>6-10</sub> zasićeni ili nezasićeni, ili aromatski karbocikal, i (t) -NR<sup>116</sup>C(O)-3-12 člani zasićeni ili nezasićeni, ili aromatski heterocikal koji sadrži jedan ili više heteroatoma koji se biraju od dušika, kisika, te sumpora

pri čemu je bilo koji od (b)-(t) proizvoljno supstituiran s jednom ili više skupina R<sup>115</sup>,

pri čemu je jedna ili više ne-terminalnih ugljikovih skupina iz bilo kojeg od (b)-(d) proizvoljno zamijenjena s kisikom, S(O)<sub>p</sub>, ili -NR<sup>116</sup>,

alternativno, NR<sup>114</sup>R<sup>114</sup> tvori 3-7 člani zasićeni ili nezasićeni ili aromatski prsten uključujući dušikov atom na koji su vezane skupine R<sup>114</sup> i proizvoljno jednu ili više skupina koje se biraju od O, S(O)<sub>p</sub>, N, i NR<sup>118</sup>;

R<sup>115</sup> je odabran iz niza koji čine:

(a)  $R^{117}$ , (b)  $C_{1-8}$  alkil, (c)  $C_{2-8}$  alkenil, (d)  $C_{2-8}$  alkinil, (e)  $C_{3-12}$  zasićeni ili nezasićeni, ili aromatski karbocikal, (f) 3-12 člani zasićeni ili nezasićeni, ili aromatski heterocikal koji sadrži jedan ili više heteroatoma koji se biraju od dušika, kisika, te sumpora, pri čemu je bilo koji od (b)-(f) proizvoljno supstituiran s jednom ili više skupina  $R^{117}$ ;  $R^{116}$  je pri svakom pojavljivanju, neovisno odabran iz niza koji čine:

(a) H, (b)  $C_{1-6}$  alkil, (c)  $C_{2-6}$  alkenil, (d)  $C_{2-6}$  alkinil, (e)  $C_{3-10}$  zasićeni ili nezasićeni, ili aromatski karbocikal, i (f) 3-10 člani zasićeni ili nezasićeni, ili aromatski heterocikal koji sadrži jedan ili više heteroatoma koji se biraju od dušika, kisika, te sumpora, pri čemu je jedna ili više ne-terminalnih ugljikovih skupina iz bilo kojeg od (b)-(d) proizvoljno zamijenjena s kisikom,  $S(O)_p$ , ili  $-NR^{114}$ , pri čemu je bilo koji od (b)-(f) proizvoljno supstituiran s jednom ili više skupina koje se biraju iz niza koji čine:

(aa) karbonil, (bb) formil, (cc) F, (dd) Cl, (ee) Br, (ff) I, (gg) CN, (hh)  $N_3$ , (ii)  $NO_2$ , (jj)  $OR^{118}$ , (kk)  $-S(O)_pR^{118}$ , (ll)  $-C(O)R^{118}$ , (mm)  $-C(O)OR^{118}$ , (nn)  $-OC(O)R^{118}$ , (oo)  $-C(o)NR^{118}R^{118}$ , (pp)  $-OC(O)NR^{118}R^{118}$ , (qq)  $-C(=NR^{118})R^{118}$ , (rr)  $-C(R^{118})(R^{118})OR^{118}$ , (ss)  $-C(R^{118})_2OC(O)R^{118}$ , (tt)  $-C(R^{118})(OR^{118})(CH_2)_rNR^{118}R^{118}$ , (uu)  $-NR^{118}R^{118}$ ; (vv)  $-NR^{118}OR^{118}$ , (ww)  $-NR^{118}C(O)R^{118}$ , (xx)  $-NR^{118}C(O)OR^{118}$ , (yy)  $-NR^{118}C(O)NR^{118}R^{118}$ , (zz)  $-NR^{118}S(O)_pR^{118}$ , (ab)  $-C(OR^{118})(OR^{118})R^{118}$ , (ac)  $-C(R^{118})_2NR^{118}R^{118}$ , (ad)  $=NR^{118}$ , (ae)  $-C(S)NR^{118}R^{118}$ , (af)  $-NR^{118}C(S)R^{118}$ , (ag)  $-OC(S)NR^{118}R^{118}$ , (ah)  $-NR^{118}C(S)OR^{118}$ , (ai)  $-NR^{118}C(S)NR^{118}R^{118}$ , (aj)  $-SC(O)R^{118}$ , (ak)  $C_{1-8}$  alkil, (al)  $C_{2-8}$  alkenil, (am)  $C_{2-8}$  alkinil, (an)  $C_{1-8}$  alkoksi, (ao)  $C_{1-8}$  alkiltio, (ap)  $C_{1-8}$  acil, (aq) zasićeni ili nezasićeni, ili aromatski  $C_{3-10}$  karbocikal, i (ar) zasićeni ili nezasićeni, ili aromatski 3-10 člani heterocikal koji sadrži jedan ili više heteroatoma odabranih od dušika, kisika i sumpora,

alternativno,  $NR^{116}R^{116}$  tvori 3-10 člani zasićeni ili nezasićeni ili aromatski prsten uključujući dušikov atom na koji su vezane skupine  $R^{116}$  i proizvoljno jedna ili više skupina koje se biraju od O,  $S(O)_p$ , N, i  $NR^{118}$ ;

alternativno,  $CR^{116}R^{116}$  tvori karbonilne skupine;

$R^{117}$ , pri svakom pojavljivanju, je odabran od:

(a) H, (b)  $=O$ , (c) F, (d) Cl, (e) Br, (f) I, (g)  $(CR^{116}R^{116})_rCF_3$ , (h)  $(CR^{116}R^{116})_rCN$ , (i)  $(CR^{116}R^{116})_rNO_2$ , (j)  $(CR^{116}R^{116})_rNR^{116}(CR^{116}R^{116})_rR^{119}$ , (k)  $(CR^{116}R^{116})_rOR^{119}$ , (l)  $(CR^{116}R^{116})_rS(O)_p(CR^{116}R^{116})_rR^{119}$ , (m)  $(CR^{116}R^{116})_rC(O)(CR^{116}R^{116})_rR^{119}$ , (n)  $(CR^{116}R^{116})_rOC(O)(CR^{116}R^{116})_rR^{119}$ , (o)  $(CR^{116}R^{116})_rSC(O)(CR^{116}R^{116})_rR^{119}$ , (p)  $(CR^{116}R^{116})_rC(O)O(CR^{116}R^{116})_rR^{119}$ , (q)  $(CR^{116}R^{116})_rNR^{116}C(O)(CR^{116}R^{116})_rR^{119}$ , (r)  $(CR^{116}R^{116})_rC(O)NR^{116}(CR^{116}R^{116})_rR^{119}$ , (s)  $(CR^{116}R^{116})_rC(=NR^{116})(CR^{116}R^{116})_rR^{119}$ , (t)  $(CR^{116}R^{116})_rC(=NNR^{116})(CR^{116}R^{116})_rR^{119}$ , (u)  $(CR^{116}R^{116})_rC(=NNR^{116}C(O)R^{116})(CR^{116}R^{116})_rR^{119}$ , (v)  $(CR^{116}R^{116})_rC(=NOR^{119})(CR^{116}R^{116})_rR^{119}$ , (w)  $(CR^{116}R^{116})_rNR^{116}C(O)O(CR^{116}R^{116})_rR^{119}$ , (x)  $(CR^{116}R^{116})_rOC(O)NR^{116}(CR^{116}R^{116})_rR^{119}$ , (y)  $(CR^{116}R^{116})_rNR^{116}C(O)NR^{116}(CR^{116}R^{116})_rR^{119}$ , (z)  $(CR^{116}R^{116})_rNR^{116}S(O)_p(CR^{116}R^{116})_rR^{119}$ , (aa)  $(CR^{116}R^{116})_rS(O)_pNR^{116}(CR^{116}R^{116})_rR^{119}$ , (bb)  $(CR^{116}R^{116})_rNR^{116}S(O)_pNR^{116}(CR^{116}R^{116})_rR^{119}$ , (cc)  $(CR^{116}R^{116})_rNR^{116}R^{116}$ , (dd)  $C_{1-6}$  alkil, (ee)  $C_{2-6}$  alkenil, (ff)  $C_{2-6}$  alkinil, (gg)  $(CR^{116}R^{116})_rC_{3-10}$  zasićeni ili nezasićeni, ili aromatski karbocikal, i (hh)  $(CR^{116}R^{116})_r$ -3-10 člani

zasićeni ili nezasićeni, ili aromatski heterocikal koji sadrži jedan ili više heteroatoma koji se biraju od dušika, kisika, te sumpora, pri čemu je bilo koji od (dd)-(hh) proizvoljno supstituiran s jednom ili više skupina  $R^{119}$ ;

alternativno, dvije skupine  $R^{117}$  mogu tvoriti  $-O(CH_2)_uO-$ ;

$R^{118}$  je odabran od:

(a) H, (b)  $C_{1-6}$  alkil, (c)  $C_{2-6}$  alkenil, (d)  $C_{2-6}$  alkinil, (e)  $C_{3-10}$  zasićeni ili nezasićeni, ili aromatski karbocikal, (f) 3-10 člani zasićeni ili nezasićeni, ili aromatski heterocikal koji sadrži jedan ili više heteroatoma koji se biraju od dušika, kisika, te sumpora, (g)  $-C(O)-C_{1-6}$  alkil, (h)  $-C(O)-C_{1-6}$  alkenil, (i)  $-C(O)-C_{1-6}$  alkinil, (j)  $-C(O)-C_{3-10}$  zasićeni ili nezasićeni, ili aromatski karbocikal, i (k)  $-C(O)-3-10$  člani zasićeni ili nezasićeni, ili aromatski heterocikal koji sadrži jedan ili više heteroatoma koji se biraju od dušika, kisika, te sumpora,

pri čemu je bilo koji od (b)-(k) proizvoljno supstituiran s jednom ili više skupina koje se biraju od: (aa) H, (bb) F, (cc) Cl, (dd) Br, (ee) I, (ff) CN, (gg)  $NO_2$ , (hh) OH, (ii)  $NH_2$ , (jj)  $NH(C_{1-6}$  alki(l), (kk)  $N(C_{1-6}$  alki(l)<sub>2</sub>, (ll)  $C_{1-6}$  alkoksi, (mm) aril, (nn) supstituirani aril, (oo) heteroaril, (pp) supstituirani heteroaril, i (qq)  $C_{1-6}$  alkil, proizvoljno supstituiran s jednom ili više skupina koje se biraju iz niza koji čine -aril, supstituirani aril, heteroaril, supstituirani heteroaril, F, Cl, Br, I, CN,  $NO_2$ , i OH;

$R^{119}$ , pri svakom pojavljivanju, neovisno je odabran iz niza koji čine:

(a)  $R^{120}$ , (b)  $C_{1-6}$  alkil, (c)  $C_{2-6}$  alkenil, (d)  $C_{2-6}$  alkinil, (e)  $C_{3-10}$  zasićeni ili nezasićeni, ili aromatski karbocikal, i (f) 3-10 člani zasićeni ili nezasićeni, ili aromatski heterocikal koji sadrži jedan ili više heteroatoma koji se biraju od dušika, kisika, te sumpora,

pri čemu je bilo koji od (b)-(f) proizvoljno supstituiran s jednom ili više skupina  $R^{119}$ ;

$R^{120}$ , pri svakom pojavljivanju, neovisno je odabran iz niza koji čine:

(a) H, (b)  $=O$ , (c) F, (d) Cl, (e) Br, (f) I, (g)  $(CR^{116}R^{116})_rCF_3$ , (h)  $(CR^{116}R^{116})_rCN$ , (i)  $(CR^{116}R^{116})_rNO_2$ , (j)  $(CR^{116}R^{116})_rNR^{116}R^{116}$ , (k)  $(CR^{116}R^{116})_rOR^{114}$ , (l)  $(CR^{116}R^{116})_rS(O)_pR^{116}$ , (m)  $(CR^{116}R^{116})_rC(O)R^{116}$ , (n)  $(CR^{116}R^{116})_rC(O)OR^{116}$ , (o)  $(CR^{116}R^{116})_rOC(O)R^{116}$ , (p)  $(CR^{116}R^{116})_rNR^{116}C(O)R^{116}$ , (q)  $(CR^{116}R^{116})_rC(O)NR^{116}R^{116}$ , (r)  $(CR^{116}R^{116})_rC(=NR^{116})R^{116}$ , (s)  $(CR^{116}R^{116})_rNR^{116}C(O)NR^{116}R^{116}$ , (t)  $(CR^{116}R^{116})_rNR^{116}S(O)_pR^{116}$ , (u)  $(CR^{116}R^{116})_rS(O)_pNR^{116}R^{116}$ , (v)  $(CR^{116}R^{116})_rNR^{116}S(O)_pNR^{116}R^{116}$ , (w)  $C_{1-6}$  alkil, (x)  $C_{2-6}$  alkenil, (y)  $C_{2-6}$  alkinil, (z)  $(CR^{116}R^{116})_rC_{3-10}$  zasićeni ili nezasićeni, ili aromatski karbocikal, i (aa)  $(CR^{116}R^{116})_r$ -3-10 člani zasićeni ili nezasićeni, ili aromatski heterocikal koji sadrži jedan ili više heteroatoma koji se biraju od dušika, kisika, te sumpora,

pri čemu je bilo koji od (w)-(aa) proizvoljno supstituiran s jednom ili više skupina koji se biraju iz niza koji čine  $R^{116}$ , F, Cl, Br, I, CN,  $NO_2$ ,  $-OR^{116}$ ,  $NH_2$ ,  $-NH(C_{1-6}$  alkil),  $-N(C_{1-6}$  alkil) $_2$ ,  $C_{1-6}$  alkoksi,  $C_{1-6}$  alkiltio, i  $C_{1-6}$  acil;

$R^{121}$ , pri svakom pojavljivanju, neovisno je odabran iz niza koji čine:

(a) H, (b)  $-OR^{118}$ , (c)  $-O-C_{1-6}$  alkil- $OC(O)R^{118}$ , (d)  $-O-C_{1-6}$  alkil- $OC(O)OR^{118}$ , (e)  $-O-C_{1-6}$  alkil- $OC(O)NR^{118}R^{118}$ , (f)  $-O-C_{1-6}$  alkil  $C(O)NR^{118}R^{118}$ , (g)  $-O-C_{1-6}$  alkil- $NR^{118}C(O)R^{118}$ , (h)  $-O-C_{1-6}$  alkil- $NR^{118}C(O)OR^{118}$ , (i)  $-O-C_{1-6}$  alkil- $NR^{118}C(O)NR^{118}R^{118}$ , (j)  $-O-C_{1-6}$  alkil- $NR^{118}C(=N(H)NR^{118}R^{118})$ , (k)  $-O-C_{1-6}$  alkil- $S(O)_pR^{118}$ , (l)  $-O-C_{2-6}$  alkenil- $OC(O)R^{118}$ , (m)  $-O-C_{2-6}$  alkenil- $OC(O)OR^{118}$ , (n)  $-O-C_{2-6}$  alkenil- $OC(O)NR^{118}R^{118}$ , (o)  $-O-C_{2-6}$  alkenil- $C(O)NR^{118}R^{118}$ , (p)  $-O-C_{2-6}$  alkenil- $NR^{118}C(O)R^{118}$ , (q)  $-O-C_{2-6}$  alkenil- $NR^{118}C(O)OR^{118}$ , (r)  $-O-C_{2-6}$  alkenil- $NR^{118}C(O)NR^{118}R^{118}$ , (s)  $-O-C_{2-6}$  alkenil- $NR^{118}C(=N(H)NR^{118}R^{118})$ , (t)  $-O-C_{2-6}$  alkenil- $S(O)_pR^{118}$ , (u)  $-O-C_{2-6}$  alkinil- $OC(O)R^{118}$ , (v)  $-O-C_{2-6}$  alkinil- $OC(O)OR^{118}$ , (w)  $-O-C_{2-6}$  alkinil- $OC(O)NR^{118}R^{118}$ , (x)  $-O-C_{2-6}$  alkinil- $C(O)NR^{118}R^{118}$ , (y)  $-O-C_{2-6}$  alkinil- $NR^{118}C(O)R^{118}$ , (z)  $-O-C_{2-6}$  alkinil- $NR^{118}C(O)OR^{118}$ , (aa)  $-O-C_{2-6}$  alkinil- $NR^{118}C(O)NR^{118}R^{118}$ , (bb)  $-O-C_{2-6}$  alkinil- $NR^{118}C(=N(H)NR^{118}R^{118})$ , (cc)  $-O-C_{2-6}$  alkinil- $S(O)_pR^{118}$ ; i (dd)  $-NR^{118}R^{118}$ ;

alternativno, dvije skupine  $R^{121}$  uzete zajedno tvore  $=O$ ,  $=NOR^{118}$ , ili  $=NNR^{118}R^{118}$ ;

$R^{126}$  pri svakom pojavljivanju, neovisno je odabran od:

(a) vodika, (b) skupine koja privlači elektrone, (c) arila, (d) supstituiranog arila, (e) heteroarila, (f) supstituiranog heteroarila, i (g)  $C_{1-6}$  alkila, proizvoljno supstituiranog s jednom ili više skupina  $R^{115}$ ;

$R^{109}$  je H ili F;

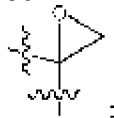
$R^{127}$  je  $R^{114}$ , monosaharid ili disaharid (uključujući amino šećere i halo šećer(e));  $-(CH_2)_n-(O-CH_2CH_2-)_m-O(CH_2)_pCH_3$  ili  $-(CH_2)_n-(O-CH_2CH_2-)_m-OH$ ,

$R^{128}$  je  $R^{114}$ ;

$R^{129}$  je  $R^{114}$ ;

$R^{110}$  je  $R^{114}$ ;

alternativno,  $R^{109}$  i  $R^{110}$  uzeti zajedno s atomima ugljika na koje su vezani tvore:



alternativno,  $R^{128}$  i  $R^{129}$  zajedno s atomima ugljika na koje su oni vezani tvore 3-6 člani zasićeni ili nezasićeni ili aromatski karbociklički ili heterociklički prsten koji može proizvoljno biti supstituiran s jednom ili više skupina  $R^{114}$ ;

$R^{132}$ ,  $R^{133}$ , i  $R^{134}$  su svaki neovisno odabrani od (a) H, (b) F, (c) Cl, (d) Br, (e)  $-OR^{114}$ , (f)  $-SR^{114}$ , (g)  $-NR^{114}R^{114}$ , i (h)  $C_{1-6}$  alkila, pri čemu je (h) proizvoljno supstituiran s jednom ili više skupina  $R^{115}$ ;

alternativno,  $R^{132}$  i  $R^{133}$  se uzimaju zajedno tako da tvore dvostruku vezu ugljik-ugljik; alternativno,  $R^{133}$  i  $R^{134}$  se uzimaju zajedno tako da tvore  $=O$ ,  $-S$ ,  $=NOR^{114}$ ,  $=NR^{114}$ , i  $=N-NR^{114}R^{114}$ ;

alternativno,  $R^{105}$  i  $R^{134}$  su uzeti zajedno s atomima ugljika na koje su oni vezani da tvore 3-člani prsten, navedeni prsten proizvoljno sadrži kisikov ili dušikov atom, te je navedeni prsten proizvoljno supstituiran s jednom ili više skupina  $R^{114}$ ;

alternativno kada M je ugljikova skupina,  $R^{134}$  i M se uzimaju zajedno tako da tvore dvostruku vezu ugljik-ugljik;

X je odabran od  $-OR^{15}$  i  $-SR^{15}$ ;

$R^1$  i  $R^3$  se neovisno biraju od: (a) H, (b) skupine  $C_{1-6}$  alkil, (c) skupine  $C_{2-6}$  alkenil, (d) skupine  $C_{2-6}$  alkinil, (e)  $-C(O)R^5$ , (f)  $-C(O)OR^5$ , (g)  $-C(O)-NR^4R^4$ , (h)  $-C(S)R^5$ , (i)  $-C(S)OR^5$ , (j)  $-C(O)SR^5$ , i (k)  $-C(S)-NR^4R^4$ ;

alternativno,  $R^1$  i  $R^3$  su uzeti zajedno s kisikom na koji je spojen  $R^1$ , dušikom na koji je spojen  $R^3$  i dva ugljika između tako da tvore 5 ili 6 člani prsten, navedeni prsten je proizvoljno supstituiran s jednim ili više  $R^5$ ;

$R^2$  je vodik ili  $-OR^{12}$ ;

$R^4$ , pri svakom pojavljivanju, neovisno je odabran iz niza koji čine:

(a) H, (b) skupina  $C_{1-6}$  alkil, (c) skupina  $C_{2-6}$  alkenil, (d) skupina  $C_{2-6}$  alkinil, (e)  $C_{6-10}$  zasićeni ili nezasićeni, ili aromatski karbocikal, (f) 3-12 člani zasićeni ili nezasićeni, ili aromatski heterocikal koji sadrži jedan ili više heteroatoma koji se biraju od dušika, kisika, te sumpora, (g)  $-C(O)-C_{1-6}$  alkil, (h)  $-C(O)-C_{2-6}$  alkenil, (i)  $-C(O)-C_{2-6}$  alkinil, (j)  $-C(O)-C_{6-310}$  zasićeni ili nezasićeni, ili aromatski karbocikal, (k)  $-C(O)-3-12$  člani zasićeni ili nezasićeni, ili aromatski heterocikal koji sadrži jedan ili više heteroatoma koji se biraju od dušika, kisika, te sumpora, (l)  $-C(O)O-C_{1-6}$  alkil, (m)  $-C(O)O-C_{2-6}$  alkenil, (n)  $-C(O)O-C_{2-6}$  alkinil, (o)  $-C(O)O-C_{6-10}$  zasićeni ili nezasićeni, ili aromatski karbocikal, (p)  $-C(O)O-3-12$  člani zasićeni ili nezasićeni, ili aromatski heterocikal koji sadrži jedan ili više heteroatoma koji se biraju od dušika, kisika, te sumpora, i (q)  $-C(O)NR^6R^6$ , pri čemu je bilo koji od (b)-(p) proizvoljno supstituiran s jednom ili više skupina  $R^5$ ;

alternativno,  $NR^6R^6$  tvori 3-7 člani zasićeni ili nezasićeni ili aromatski prsten koji obuhvaća dušikov atom na koji su spojene skupine  $R^6$ , pri čemu je navedeni prsten proizvoljno supstituiran na položaju koji nije dušikov atom na koji su vezane skupine  $R^6$ , s jednim ili više supstituenata odabranih od O,  $S(O)_p$ , N, i  $NR^8$ ;

$R^3$  je odabran iz niza koji čine:

(a)  $R^7$ , (b) skupina  $C_{1-8}$  alkil, (c) skupina  $C_{2-8}$  alkenil, (d) skupina  $C_{2-8}$  alkinil, (e)  $C_{3-12}$  zasićeni ili nezasićeni, ili aromatski karbocikal, i (f) 3-12 člani zasićeni ili nezasićeni, ili aromatski heterocikal koji sadrži jedan ili više heteroatoma koji se biraju od dušika, kisika, te sumpora, ili se dvije  $R^5$  skupine, kada su prisutne na istom

ugljikovom atomu mogu uzeti zajedno sa ugljikovim atomom na koji su vezane da tvore spiro 3-6 člani karbociklički prsten ili heterociklički prsten koji sadrži jedan ili više heteroatoma odabranih od dušika, kisika i sumpora,

pri čemu je bilo koji od (b)-(f) neposredno iznad proizvoljno supstituiran s jednom ili više skupina R<sup>7</sup>;

R<sup>6</sup>, pri svakom pojavljivanju, neovisno je odabran iz niza koji čine:

(a) H, (b) skupina C<sub>1-6</sub> alkil, (c) skupina C<sub>2-6</sub> alkenil, (d) skupina C<sub>2-6</sub> alkinil, (e) C<sub>3-10</sub> zasićeni ili nezasićeni, ili aromatski karbocikal, i (f) 3-10 člani zasićeni ili nezasićeni, ili aromatski heterocikal koji sadrži jedan ili više heteroatoma koji se biraju od dušika, kisika, te sumpora,

pri čemu je bilo koji od (b)-(f) proizvoljno supstituiran s jednom ili više skupina koje se biraju od:

(aa) karbonilne skupine, (bb) formilne skupine, (cc) F, (dd) Cl, (ee) Br, (ff) I, (gg) CN, (hh) NO<sub>2</sub>, (ii) -OR<sup>8</sup>, (jj) -S(O)<sub>p</sub>R<sup>8</sup>, (kk) -C(O)R<sup>8</sup>, (ll) -C(O)OR<sup>8</sup>, (mm) -OC(O)R<sup>8</sup>, (nn) -C(O)NR<sup>8</sup>R<sup>8</sup>, (oo) -OC(O)NR<sup>8</sup>R<sup>8</sup>, (pp) -C(=NR<sup>8</sup>)R<sup>8</sup>, (qq) -C(R<sup>8</sup>)(R<sup>8</sup>)OR<sup>8</sup>, (rr) -C(R<sup>8</sup>)<sub>2</sub>OC(O)R<sup>8</sup>, (ss) -C(R<sup>8</sup>)(OR<sup>8</sup>)(CH<sub>2</sub>)<sub>r</sub>NR<sup>8</sup>R<sup>8</sup>, (tt) -NR<sup>8</sup>R<sup>8</sup>, (uu) NR<sup>8</sup>OR<sup>8</sup>, (vv) -NR<sup>8</sup>C(O)R<sup>8</sup>, (ww) -NR<sup>8</sup>C(O)OR<sup>8</sup>, (xx) -NR<sup>8</sup>C(O)NR<sup>8</sup>R<sup>8</sup>, (yy) -NR<sup>8</sup>S(O)<sub>r</sub>R<sup>8</sup>, (zz) -C(OR<sup>8</sup>)(OR<sup>8</sup>)R<sup>8</sup>, (ab) -C(R<sup>8</sup>)<sub>2</sub>NR<sup>8</sup>R<sup>8</sup>, (ac) =NR<sup>8</sup>, (ad) -C(S)NR<sup>8</sup>R<sup>8</sup>, (ae) -NR<sup>8</sup>C(S)R<sup>8</sup>, (af) -OC(S)NR<sup>8</sup>R<sup>8</sup>, (ag) -NR<sup>8</sup>C(S)OR<sup>8</sup>, (ah) -NR<sup>8</sup>C(S)NR<sup>8</sup>R<sup>8</sup>, (ai) -SC(O)R<sup>8</sup>, (aj) skupine C<sub>1-8</sub> alkil, (ak) skupine C<sub>2-8</sub> alkenil, (al) skupine C<sub>2-8</sub> alkinil, (am) skupine C<sub>1-8</sub> alkoksi, (an) skupine C<sub>1-8</sub> alkiltio, (ao) skupine C<sub>1-8</sub> acil, (ap) -CF<sub>3</sub>, (aq) -SCF<sub>3</sub>, (ar) C<sub>3-10</sub> zasićeni ili nezasićeni, ili aromatski karbocikal, i (as) 3-10 člani zasićeni ili nezasićeni, ili aromatski heterocikal koji sadrži jedan ili više heteroatoma koji se biraju od dušika, kisika, te sumpora;

alternativno, NR<sup>6</sup>R<sup>6</sup> tvori 3-10 člani zasićeni ili nezasićeni ili aromatski prsten koji obuhvaća dušikov atom na koji su spojene skupine R<sup>6</sup> pri čemu je navedeni prsten proizvoljno supstituiran na položaju koji nije dušikov atom na koji su vezane skupine R<sup>6</sup>, s jednom ili više skupina koje se biraju od -O, S(O)<sub>p</sub>, N, i NR<sup>8</sup>;

alternativno, CR<sup>6</sup>R<sup>6</sup> tvori karbonilne skupine;

R<sup>7</sup>, pri svakom pojavljivanju, je odabran iz niza koji čine:

(a) H, (b) =O, (c) =S, (d) F, (e) Cl, (f) Br, (g) I, (h) -CF<sub>3</sub>, (i) -CN, (j) -N<sub>3</sub>, (k) -NO<sub>2</sub>, (l) NR<sup>6</sup>(CR<sup>6</sup>R<sup>6</sup>)<sub>t</sub>R<sup>9</sup>, (m) -OR<sup>9</sup>, (n) -S(O)<sub>p</sub>C(R<sup>6</sup>R<sup>6</sup>)<sub>i</sub>R<sup>9</sup>, (o) -C(O)(CR<sup>6</sup>R<sup>6</sup>)<sub>i</sub>R<sup>9</sup>, (p) -OC(O)(CR<sup>6</sup>R<sup>6</sup>)<sub>i</sub>R<sup>9</sup>, (q) -SC(O)(CR<sup>6</sup>R<sup>6</sup>)<sub>i</sub>R<sup>9</sup>, (r) -C(O)O(CR<sup>6</sup>R<sup>6</sup>)<sub>i</sub>R<sup>9</sup>, (s) -NR<sup>6</sup>C(O)(CR<sup>6</sup>R<sup>6</sup>)<sub>i</sub>R<sup>9</sup>, (t) -C(O)NR<sup>6</sup>(CR<sup>6</sup>R<sup>6</sup>)<sub>i</sub>R<sup>9</sup>, (u) -C(-NR<sup>6</sup>)(CR<sup>6</sup>R<sup>6</sup>)<sub>i</sub>R<sup>9</sup>, (v) -C(=NNR<sup>6</sup>R<sup>6</sup>)(CR<sup>6</sup>R<sup>6</sup>)<sub>i</sub>R<sup>9</sup>, (w) -C(=NNR<sup>6</sup>C(O)R<sup>6</sup>)(CR<sup>6</sup>R<sup>6</sup>)<sub>i</sub>R<sup>9</sup>, (x) -C(=NOR<sup>6</sup>)(CR<sup>6</sup>R<sup>6</sup>)<sub>i</sub>R<sup>9</sup>, (y) -NR<sup>6</sup>C(O)O(CR<sup>6</sup>R<sup>6</sup>)<sub>i</sub>R<sup>9</sup>, (z) -OC(O)NR<sup>6</sup>(CR<sup>6</sup>R<sup>6</sup>)<sub>i</sub>R<sup>9</sup>, (aa) -NR<sup>6</sup>C(O)NR<sup>6</sup>(CR<sup>6</sup>R<sup>6</sup>)<sub>i</sub>R<sup>9</sup>, (bb) -NR<sup>6</sup>S(O)<sub>p</sub>(CR<sup>6</sup>R<sup>6</sup>)<sub>i</sub>R<sup>9</sup>, (cc) -S(O)<sub>p</sub>NR<sup>6</sup>(CR<sup>6</sup>R<sup>6</sup>)<sub>i</sub>R<sup>9</sup>, (dd) -NR<sup>6</sup>S(O)<sub>p</sub>NR<sup>6</sup>(CR<sup>6</sup>R<sup>6</sup>)<sub>i</sub>R<sup>9</sup>, (ee) -NR<sup>6</sup>R<sup>6</sup>, (ff) -NR<sup>6</sup>(CR<sup>6</sup>R<sup>6</sup>), (gg) -OH, (hh) -NR<sup>6</sup>R<sup>6</sup>, (ii) -OCH<sub>3</sub>, (jj) -S(O)<sub>p</sub>R<sup>6</sup>, (kk) -NC(O)R<sup>6</sup>, (ll) skupina C<sub>1-6</sub> alkil, (mm) skupina C<sub>2-6</sub> alkenil, (nn) skupina C<sub>2-6</sub> alkinil, (oo) -C<sub>3-10</sub> zasićeni ili nezasićeni, ili aromatski karbocikal, te (pp) 3-10 člani zasićeni ili nezasićeni, ili aromatski heterocikal koji sadrži jedan ili više heteroatoma koji se biraju od dušika, kisika, te sumpora, pri čemu je bilo koji od (ll)-(pp) proizvoljno supstituiran s jednom ili više skupina R<sup>9</sup>;

alternativno, dvije skupine R<sup>7</sup> uzete zajedno tvore -O(CH<sub>2</sub>)<sub>u</sub>O-;

R<sup>8</sup> je odabran iz niza koji čine:

(a) H, (b) skupina C<sub>1-6</sub> alkil, (c) skupina C<sub>2-6</sub> alkenil, (d) skupina C<sub>2-6</sub> alkinil, (e) C<sub>3-10</sub> zasićeni ili nezasićeni, ili aromatski karbocikal, (f) 3-10 člani zasićeni ili nezasićeni, ili aromatski heterocikal koji sadrži jedan ili više heteroatoma koji se biraju od dušika, kisika, te sumpora, (g) -C(O)-C<sub>1-6</sub> alkil, (h) -C(O)-C<sub>1-6</sub> alkenil, (i) -C(O)-C<sub>1-6</sub> alkinil, (j) -C(O)-C<sub>3-10</sub> zasićeni ili nezasićeni, ili aromatski karbocikal, i (k) -C(O)-3-10 člani zasićeni ili nezasićeni, ili aromatski heterocikal koji sadrži jedan ili više heteroatoma koji se biraju od dušika, kisika, te sumpora, pri čemu je bilo koji od (c)-(k) proizvoljno supstituiran s jednom ili više skupina koje se biraju iz niza koji čine: (aa) H, (bb) F, (cc) Cl, (dd) Br, (ee) I, (ff) CN, (gg) NO<sub>2</sub>, (hh) OH, (ii) NH<sub>2</sub>, (jj) NH(C<sub>1-6</sub> alkil), (kk) N(C<sub>1-6</sub> alkil)<sub>2</sub>, (ll) skupina C<sub>1-6</sub> alkoksi, (mm) arilna skupina, (nn) supstituirana arilna skupina, (oo) heteroarilna skupina, (pp) supstituirana heteroarilna skupina, i (qq) skupina C<sub>1-6</sub> alkil proizvoljno supstituirana s jednom ili više skupina koje se biraju od arilne skupine, supstituirane arilne skupine, heteroarilne skupine, supstituirane heteroarilne skupine, F, Cl, Br, I, CN, NO<sub>2</sub>, CF<sub>3</sub>, SCF<sub>3</sub>, i OH;

R<sup>9</sup>, pri svakom pojavljivanju, neovisno je odabran iz niza koji čine:

(a) R<sup>10</sup>, (b) skupina C<sub>1-6</sub> alkil, (c) skupina C<sub>2-6</sub> alkenil, (d) skupina C<sub>2-6</sub> alkinil, (e) C<sub>3-10</sub> zasićeni ili nezasićeni, ili aromatski karbocikal, i (f) 3-10 člani zasićeni ili nezasićeni, ili aromatski heterocikal koji sadrži jedan ili više heteroatoma koji se biraju od dušika, kisika, te sumpora, pri čemu je bilo koji od (b)-(f) proizvoljno supstituiran s jednom ili više skupina R<sup>10</sup>;

R<sup>10</sup>, pri svakom pojavljivanju, neovisno je odabran iz niza koji čine:

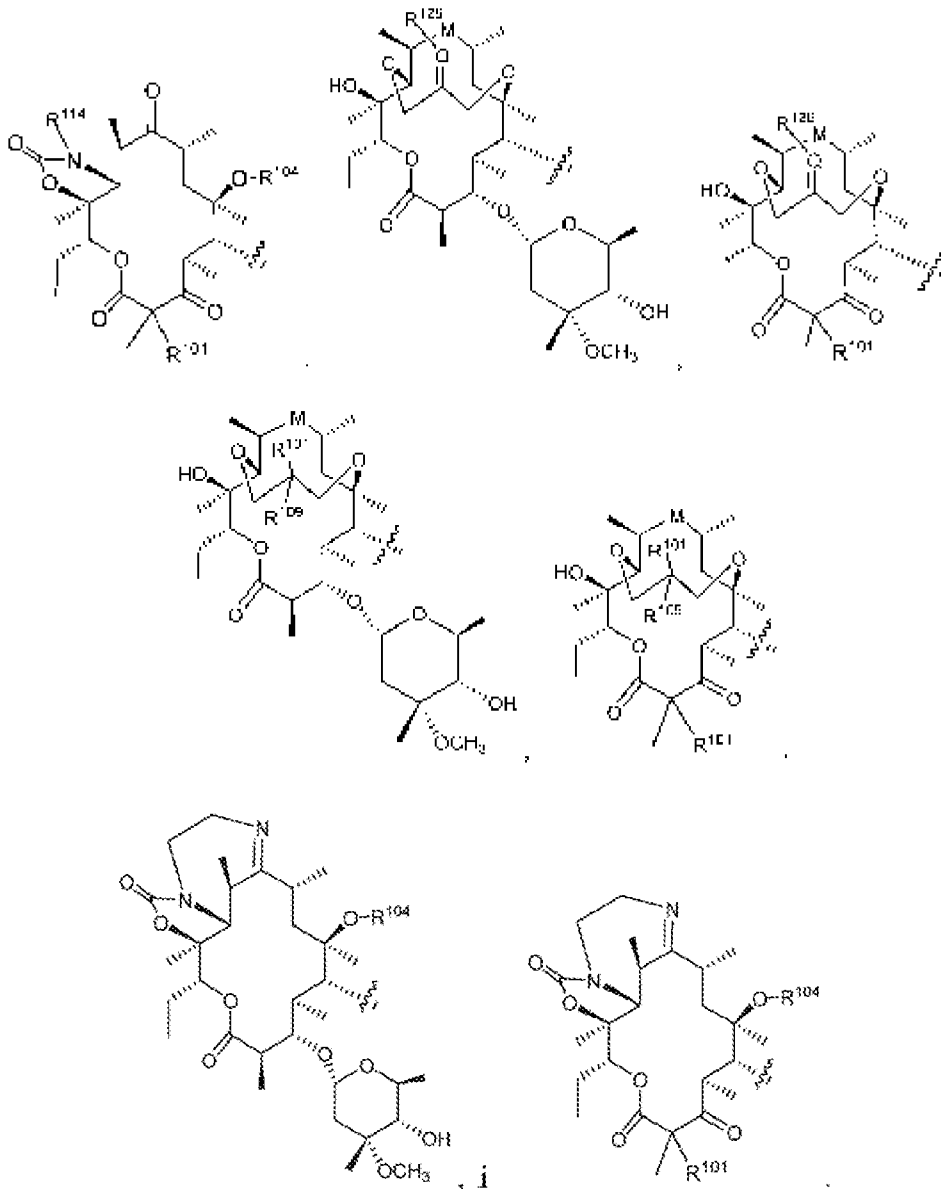
(a) H, (b) =O, (c) F, (d) Cl, (e) Br, (f) I, (g) -CF<sub>3</sub>, (h) -CN, (i) -NO<sub>2</sub>, (j) -NR<sup>6</sup>R<sup>6</sup>, (k) -OR<sup>6</sup>, (l) -S(O)<sub>p</sub>R<sup>6</sup>, (m) -C(O)R<sup>6</sup>, (n) -C(O)OR<sup>6</sup>, (o) -OC(O)R<sup>6</sup>, (p) NR<sup>6</sup>C(O)R<sup>6</sup>, (q) -C(O)NR<sup>6</sup>R<sup>6</sup>, (r) -C(=NR<sup>6</sup>)R<sup>6</sup>, (s) -NR<sup>6</sup>C(O)NR<sup>6</sup>R<sup>6</sup>, (t) NR<sup>6</sup>S(O)<sub>p</sub>R<sup>6</sup>, (u) -S(O)<sub>p</sub>NR<sup>6</sup>R<sup>6</sup>, (v) -NR<sup>6</sup>S(O)<sub>p</sub>NR<sup>6</sup>R<sup>6</sup>, (w) skupina C<sub>1-6</sub> alkil, (x) skupina C<sub>2-6</sub> alkenil, (y) skupina C<sub>2-6</sub> alkinil, (z) C<sub>3-10</sub> zasićeni ili nezasićeni, ili aromatski karbocikal, te (aa) 3-10 člani zasićeni ili nezasićeni, ili aromatski heterocikal koji sadrži jedan ili više heteroatoma koji se biraju od dušika, kisika, te sumpora, pri čemu je bilo koji od (w)-(aa) proizvoljno supstituiran s jednom ili više skupina koje se biraju od R<sup>6</sup>, F, Cl, Br, I, CN, NO<sub>2</sub>, -OR<sup>6</sup>, NH<sub>2</sub>, -NH(C<sub>1-6</sub> alkil), -N(C<sub>1-6</sub> alkil)<sub>2</sub>, skupina C<sub>1-6</sub> alkoksi, skupina C<sub>1-6</sub> alkiltio, i skupina C<sub>1-6</sub> acil;

R<sup>11</sup> pri svakom pojavljivanju, neovisno je odabran iz niza koji čine:

(a) H, (b) F, (c) Cl, (d) Br, (e) I, (f) CN, (g) NO<sub>2</sub>, (h) OR<sup>8</sup>, (i) -S(O)<sub>p</sub>R<sup>8</sup>, (j) -C(O)R<sup>8</sup>, (k) -C(O)OR<sup>8</sup>, (l) -OC(O)R<sup>8</sup>, (m) -C(O)NR<sup>8</sup>R<sup>8</sup>, (n) -OC(O)NR<sup>8</sup>R<sup>8</sup>, (o) -C(=NR<sup>8</sup>)R<sup>8</sup>, (p) -C(R<sup>8</sup>)(R<sup>8</sup>)OR<sup>8</sup>, (q) -C(R<sup>8</sup>)<sub>2</sub>OC(O)R<sup>8</sup>, (r) -

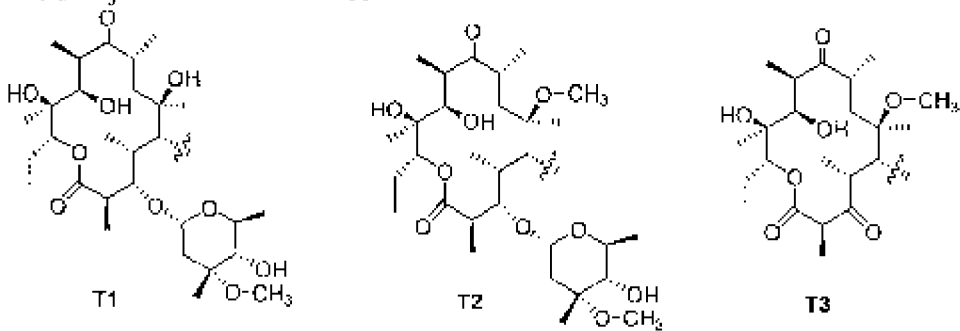


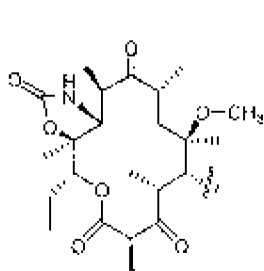




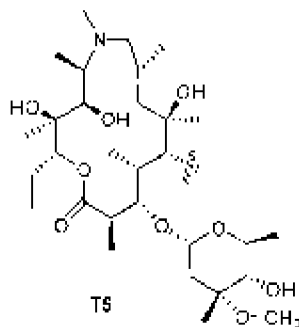
5

5. Spoj prema bilo kojem od zahtjeva 1-4, ili njegova farmaceutski prihvatljiva sol, ester, ili njegov N-oksid, naznačen time da T je odabran od T1 do T33:

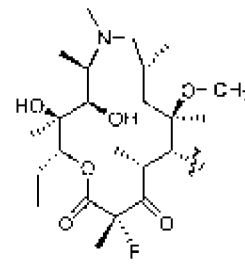




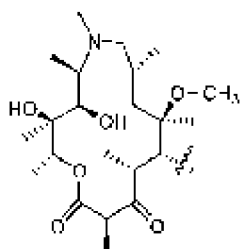
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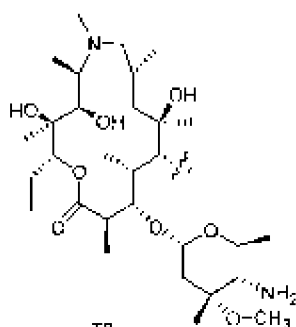
T5



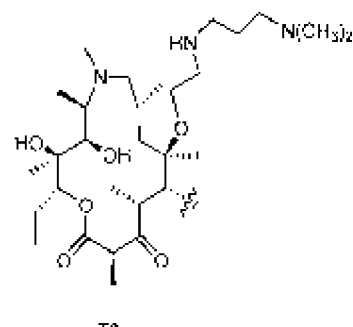
T6



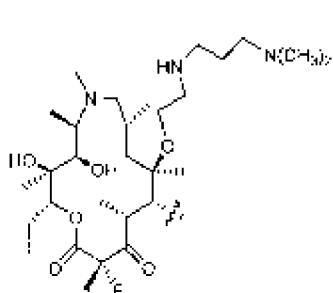
T7



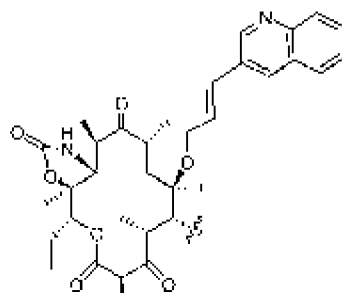
T8



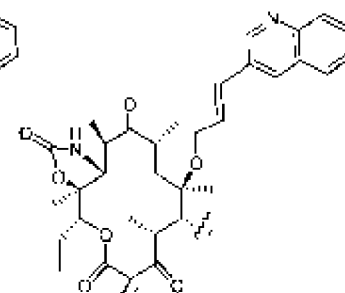
T9



T10

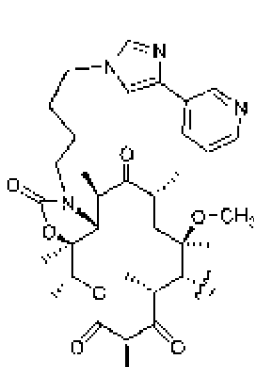


T11

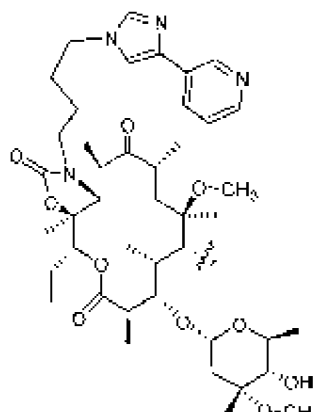


T12

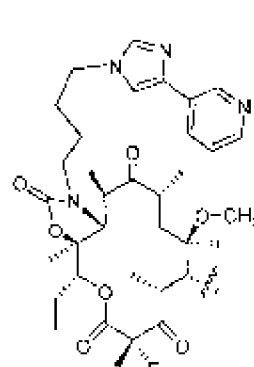
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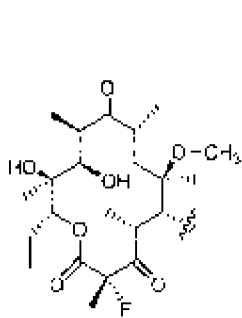
T13



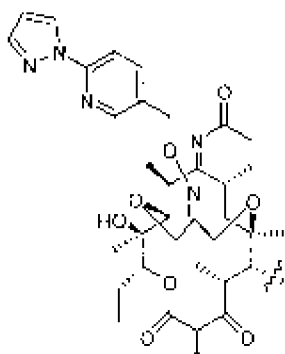
T14



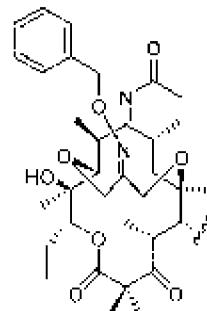
T15



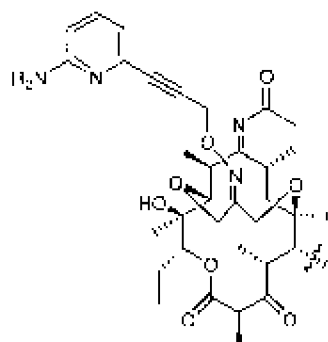
T16



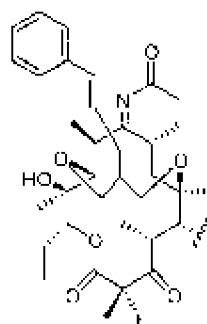
T17



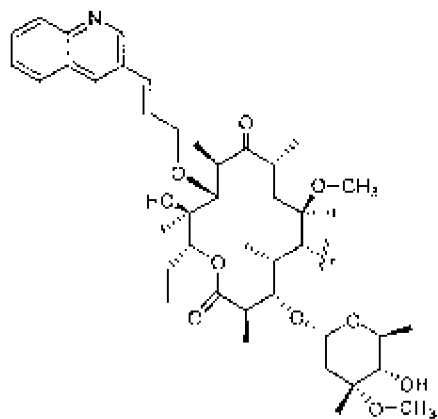
T18



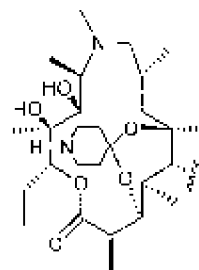
T19



T20

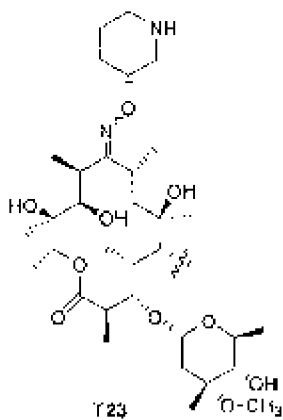


T21

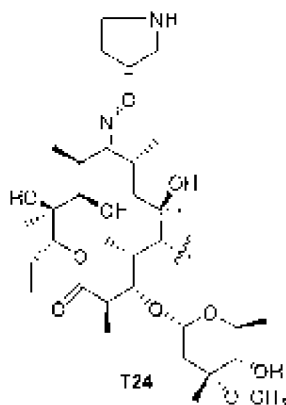


T22

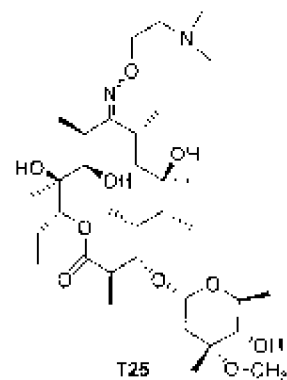
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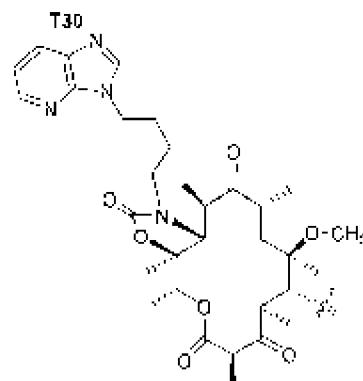
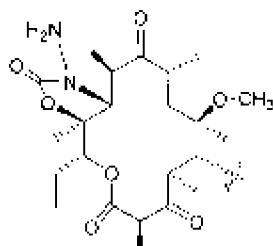
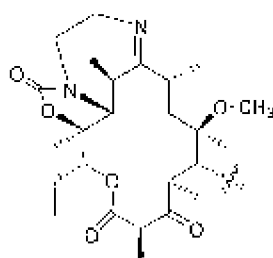
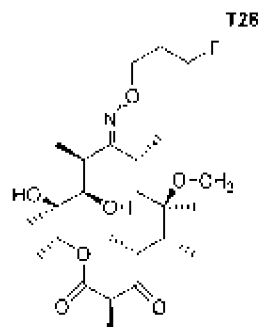
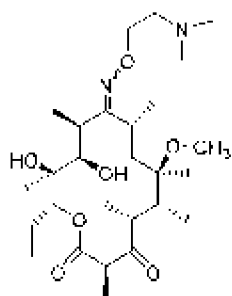
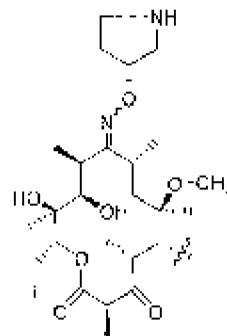
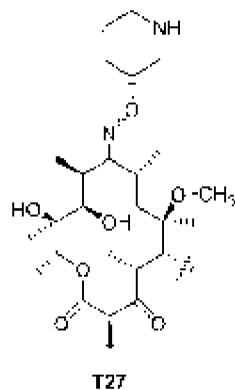
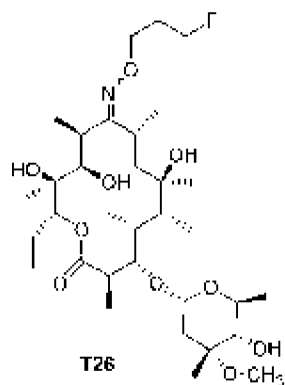
T23



T24

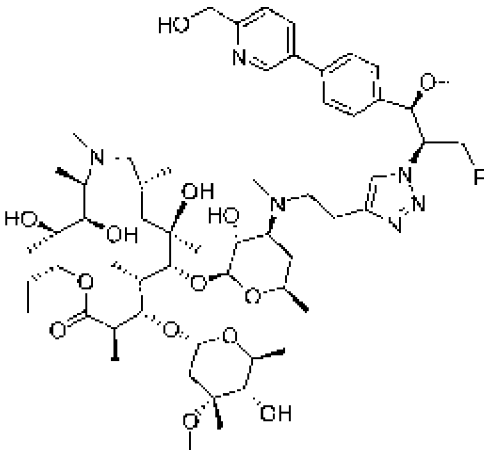
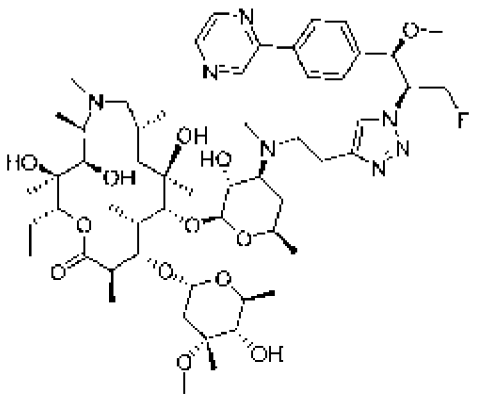
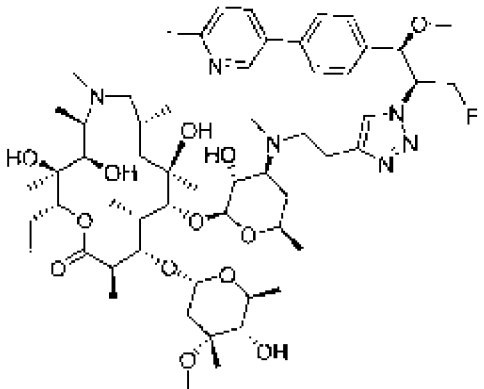
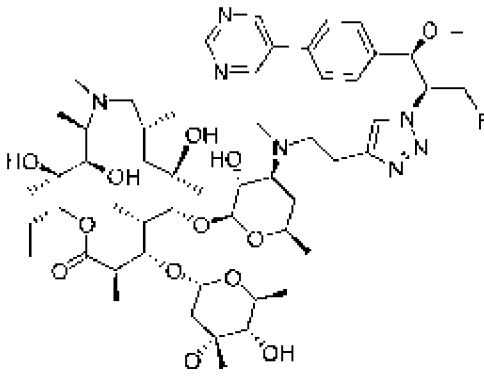


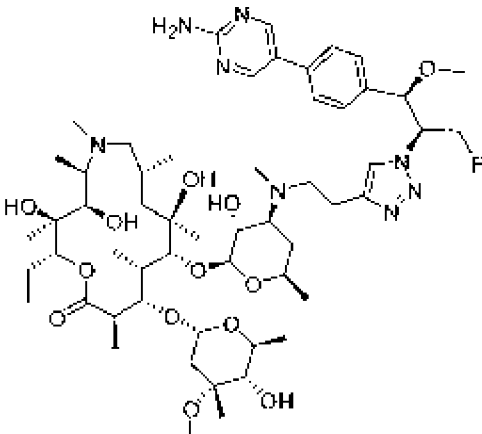
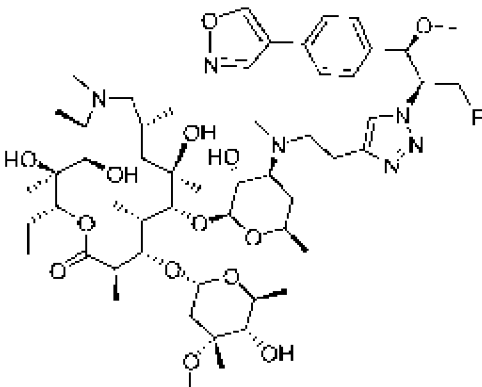
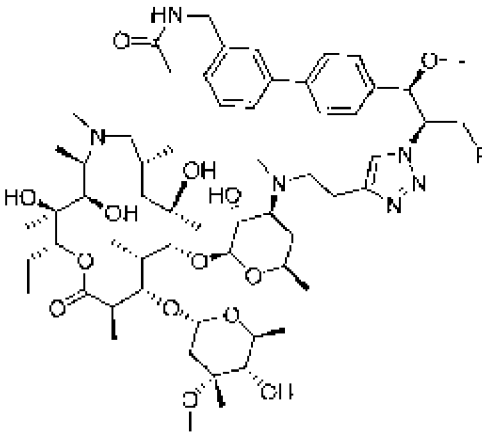
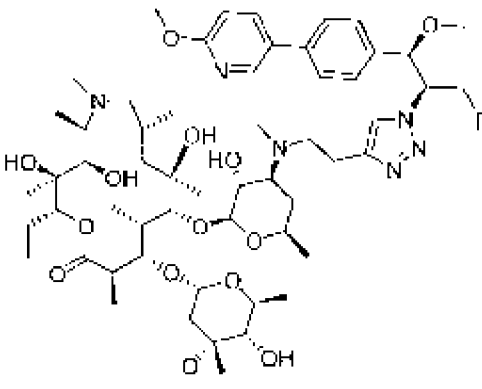
T25

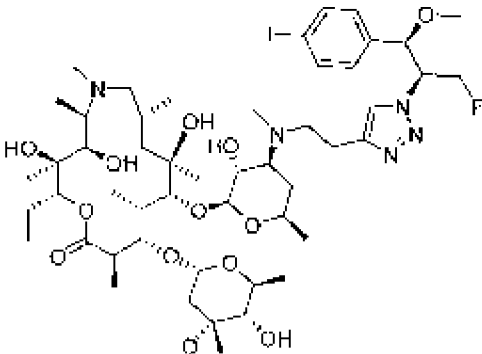
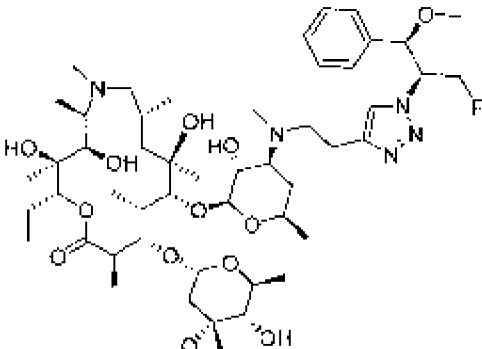
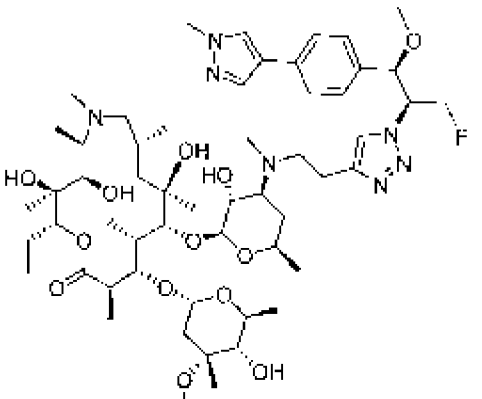
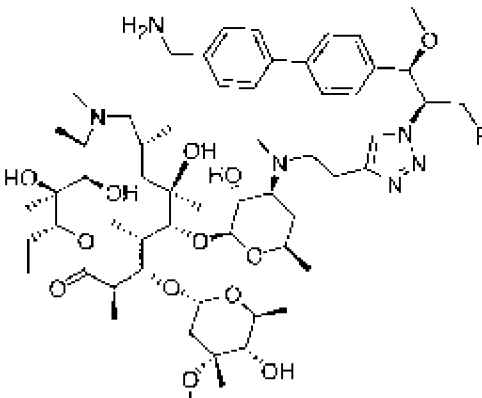


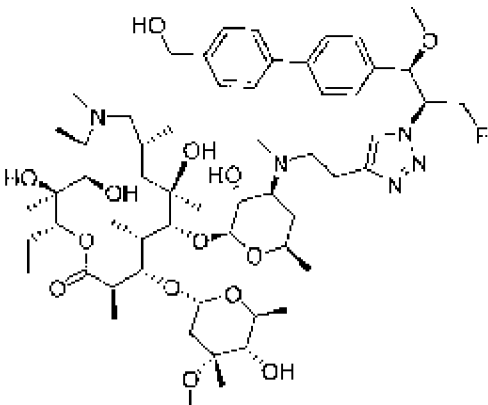
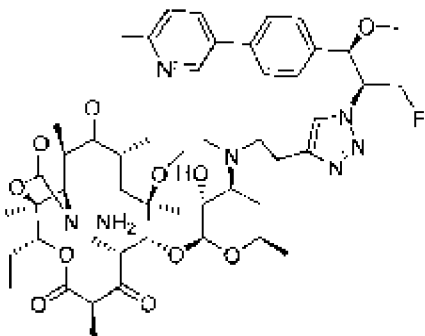
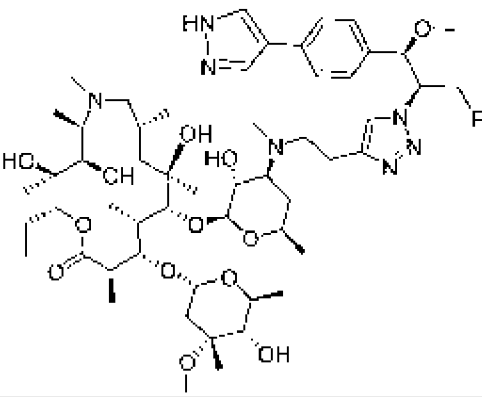
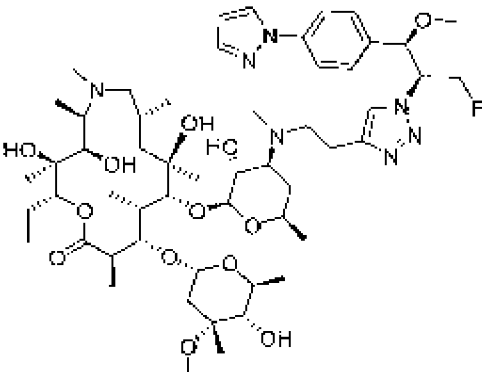
6. Spoj prema zahtjevu 1, naznačen time da je odabran od:

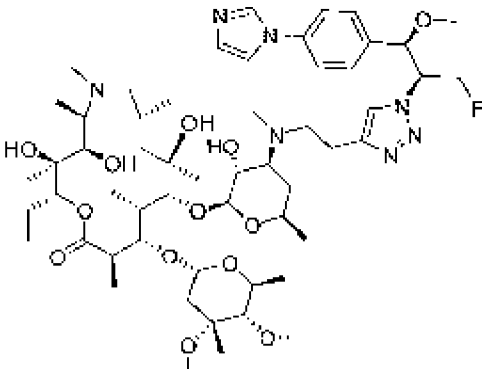
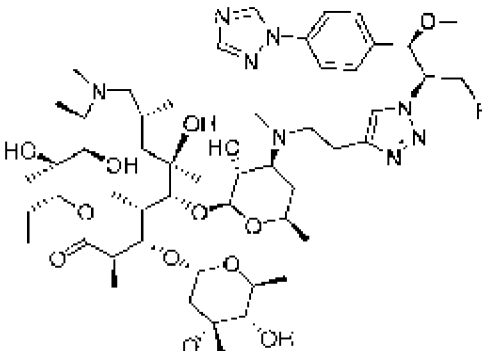
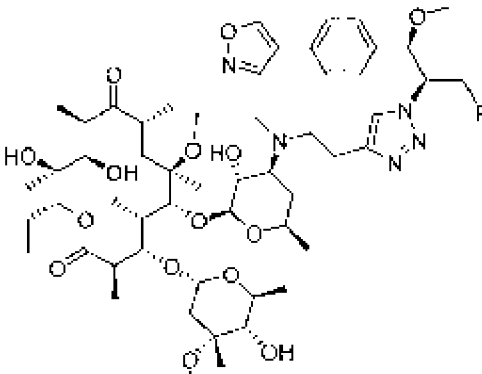
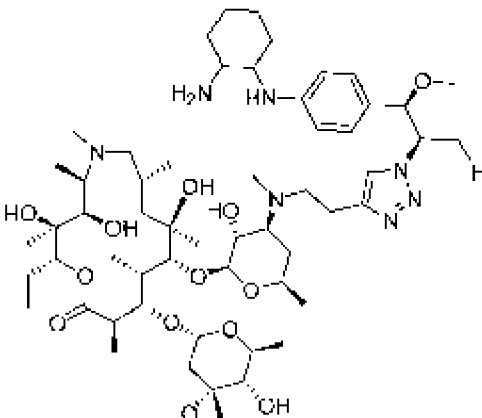
Spoj br.	Struktura
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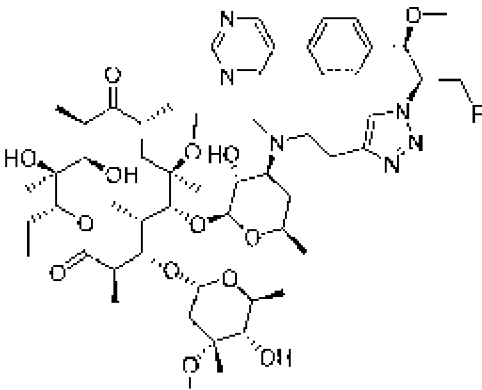
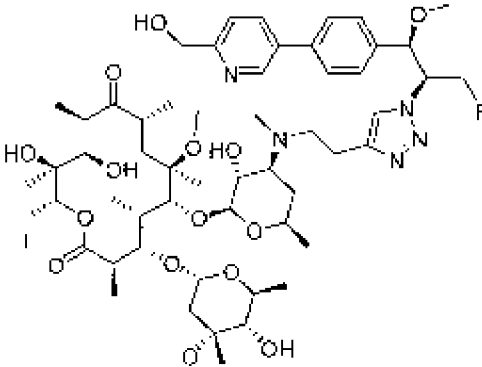
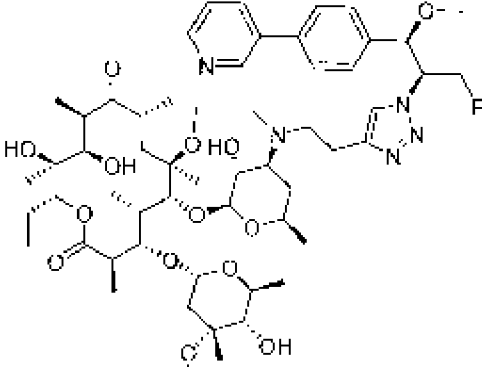
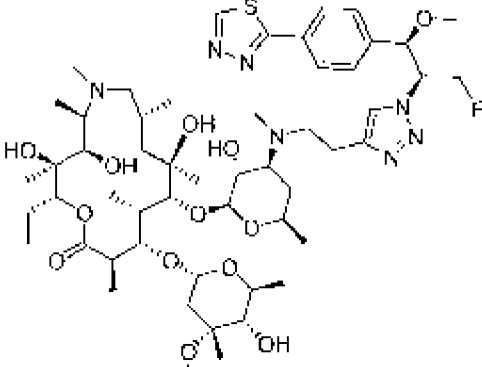
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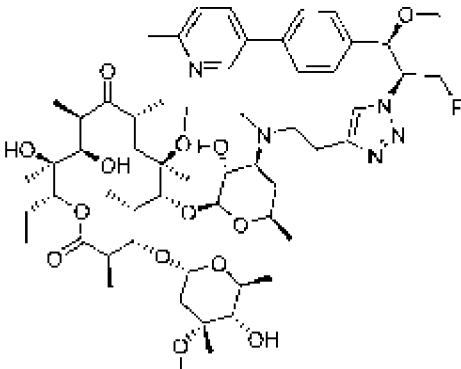
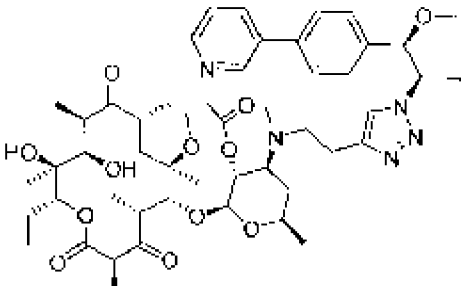
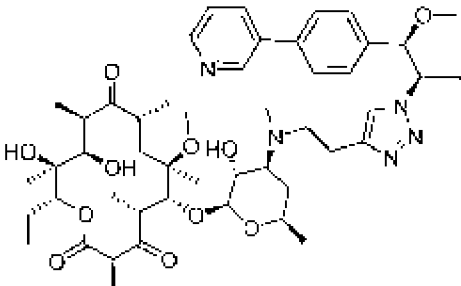
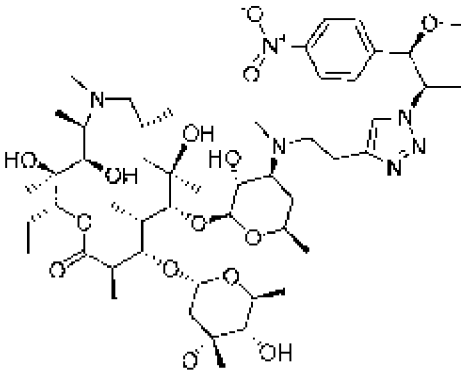
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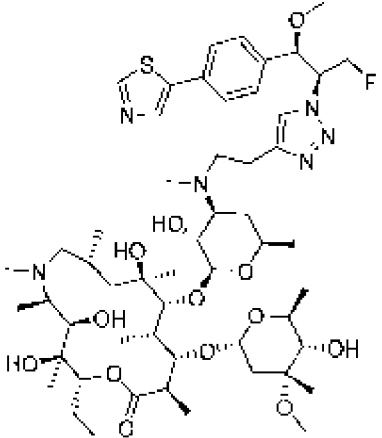
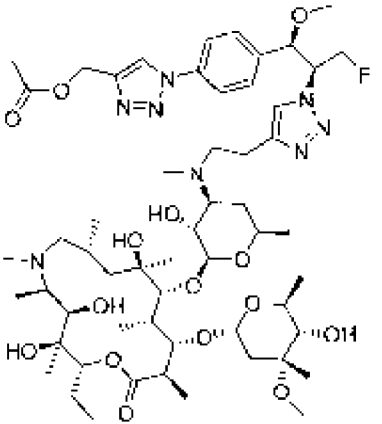
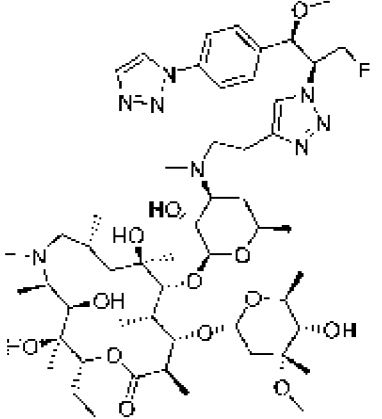
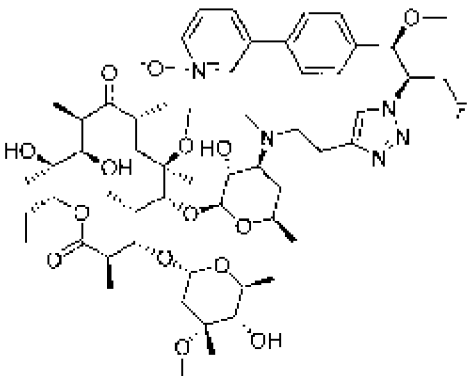
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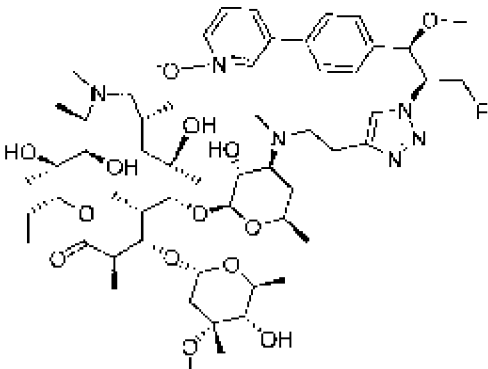
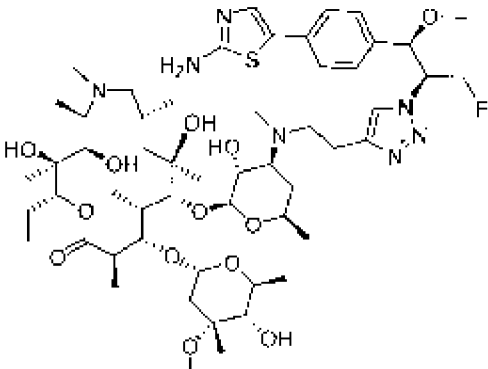
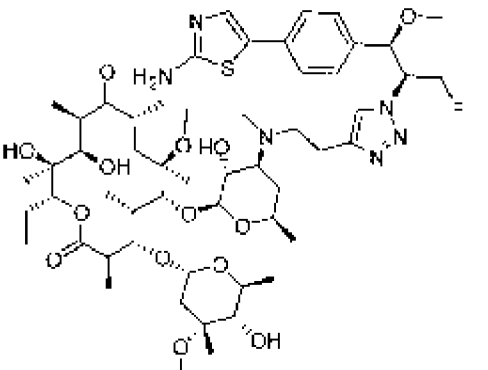
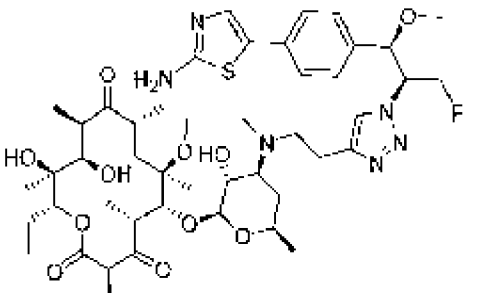
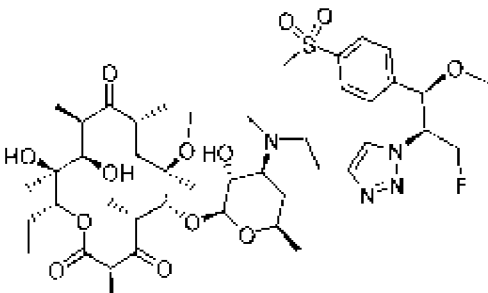
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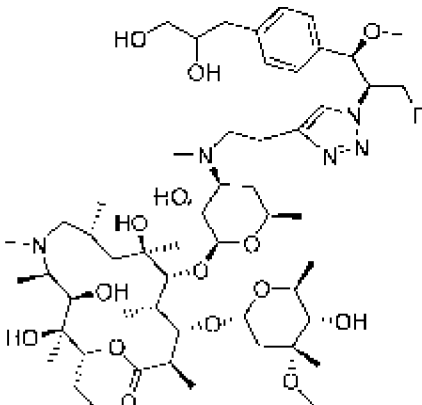
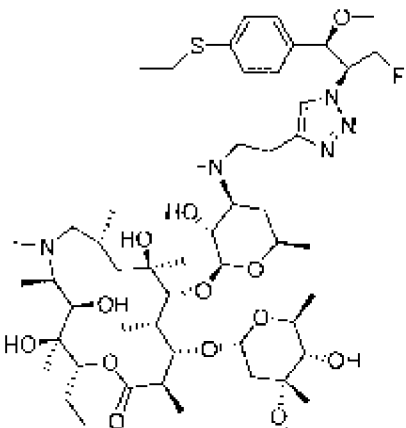
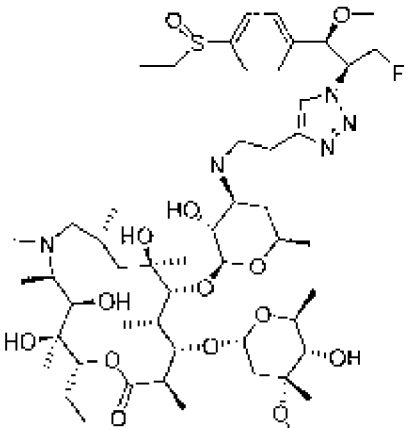
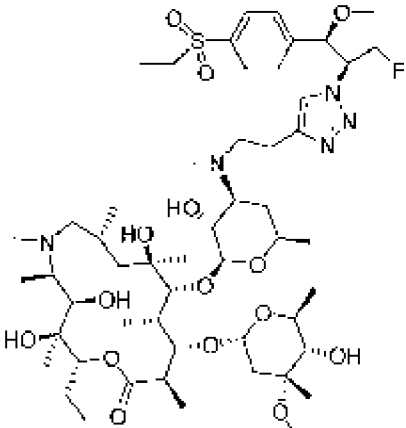
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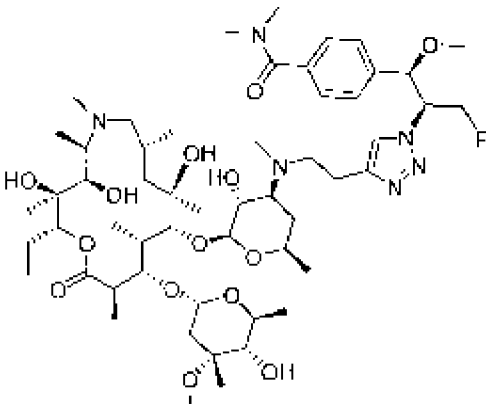
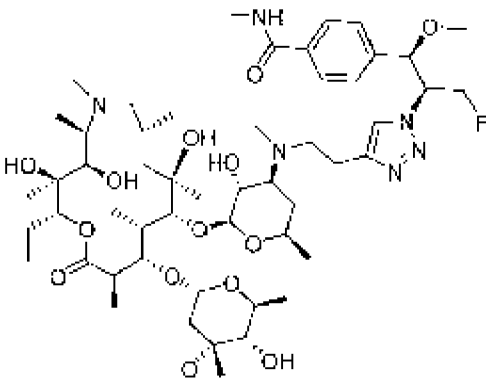
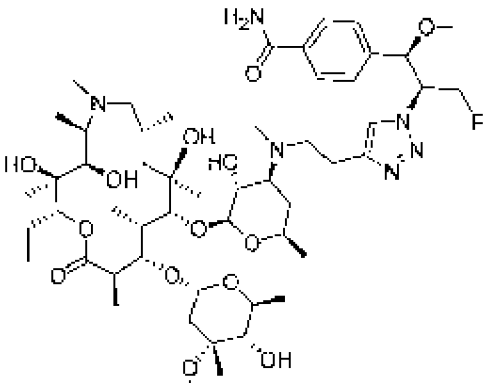
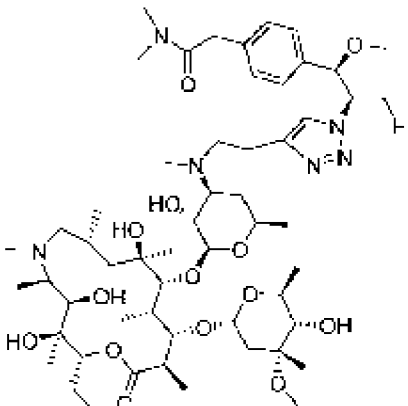
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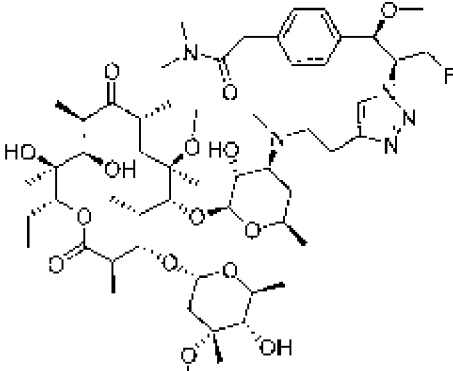
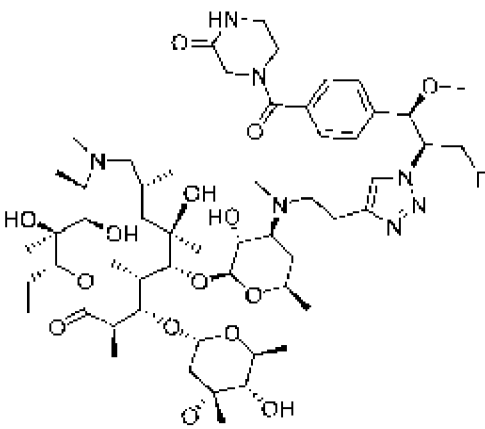
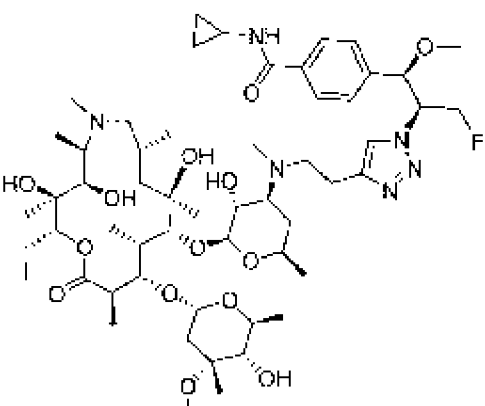
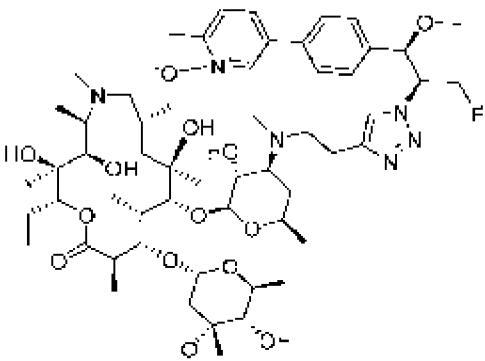
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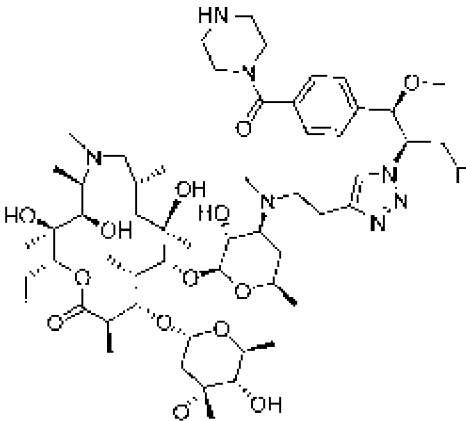
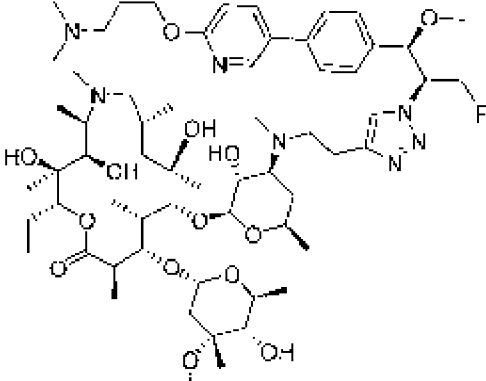
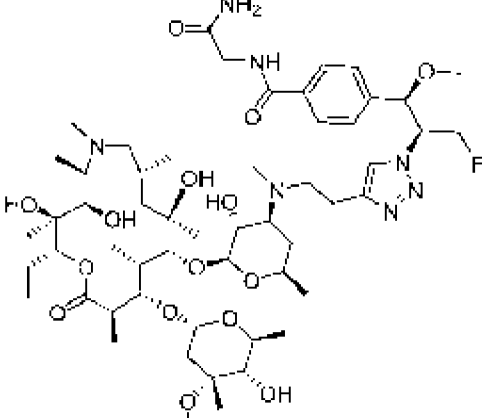
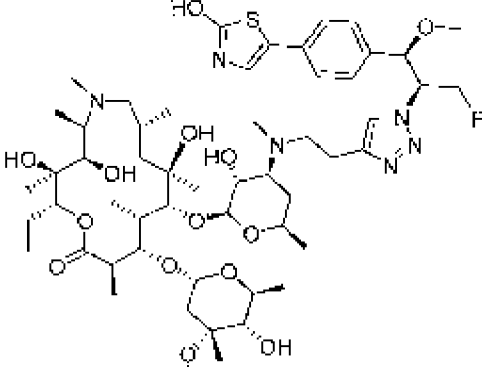
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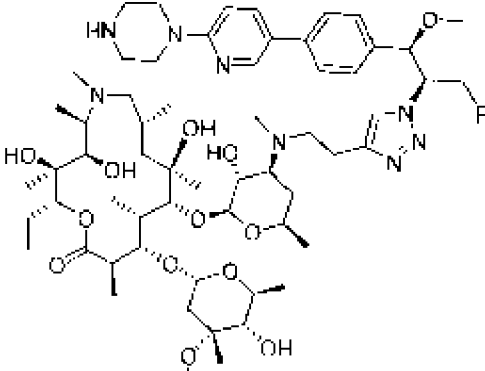
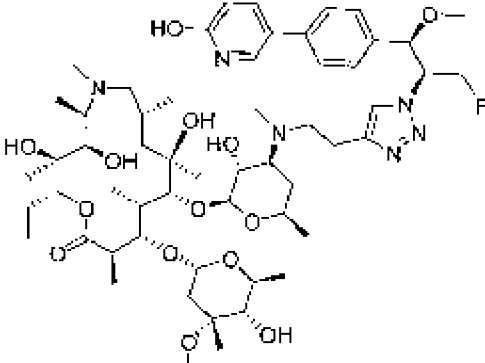
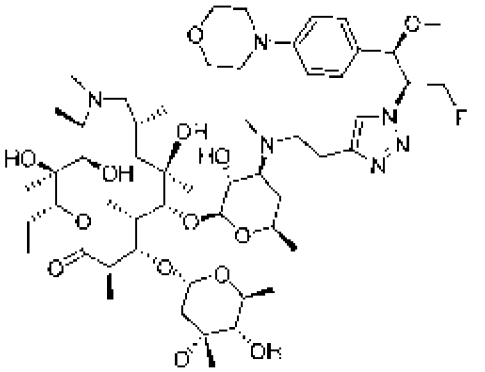
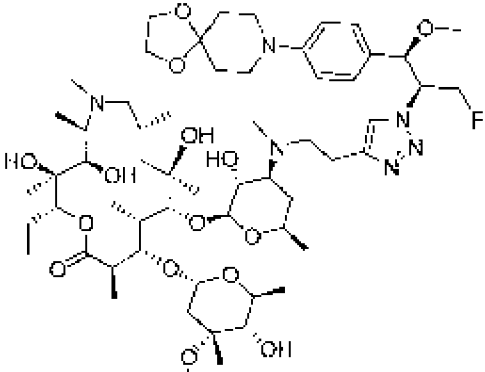
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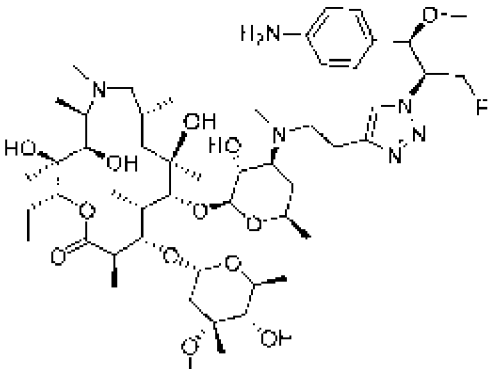
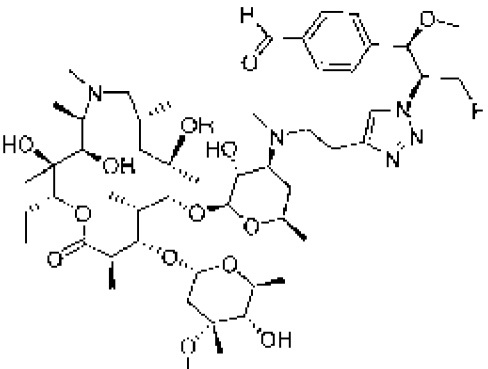
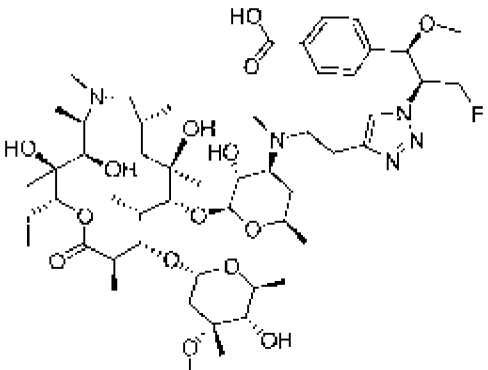
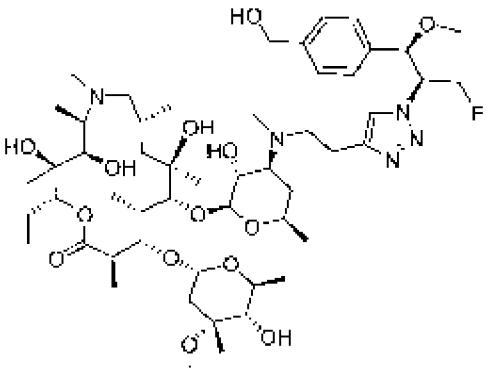
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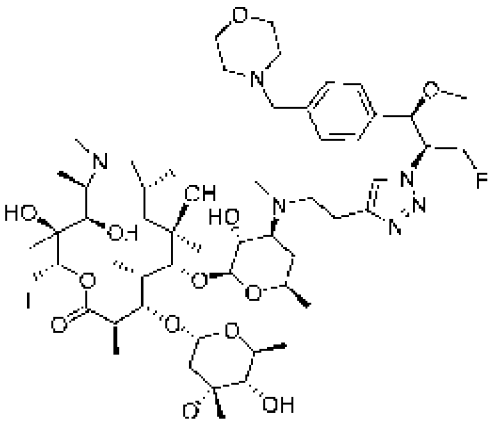
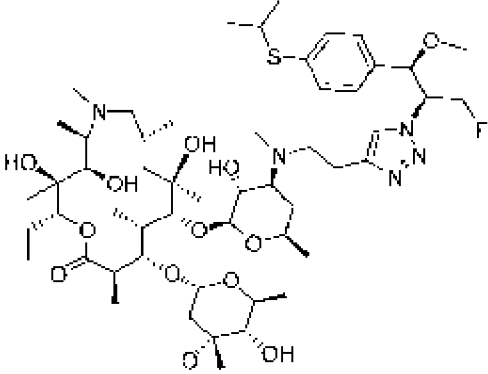
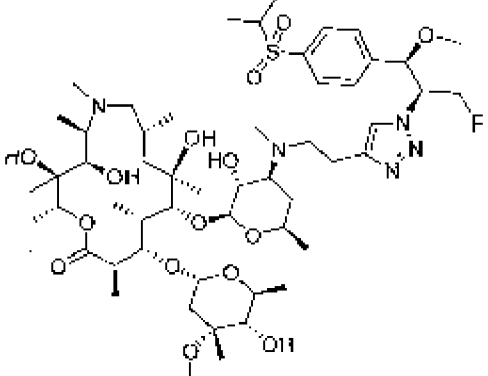
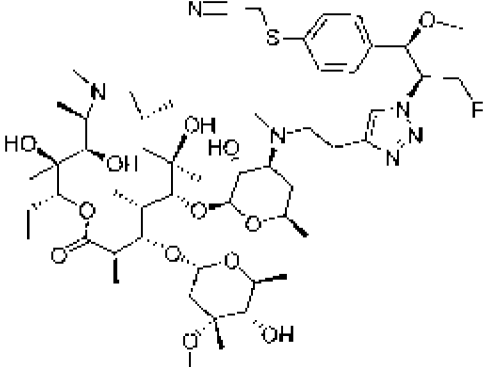
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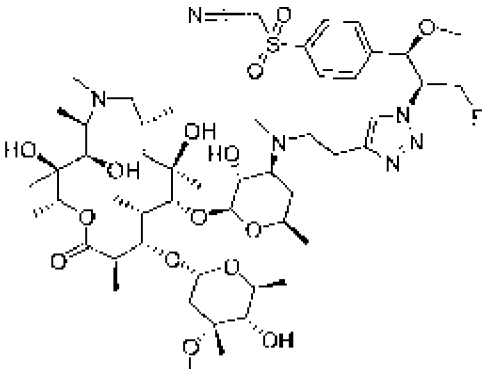
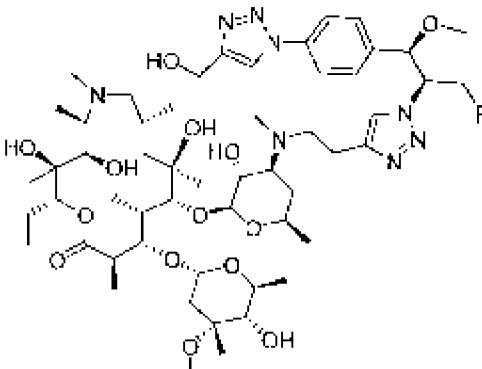
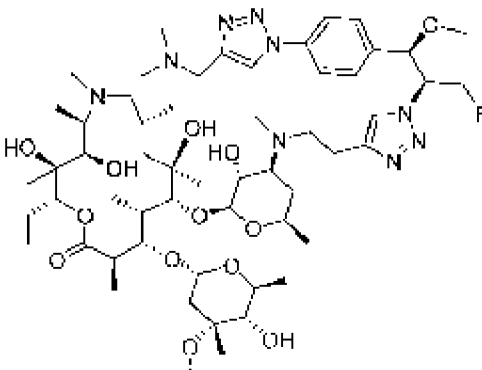
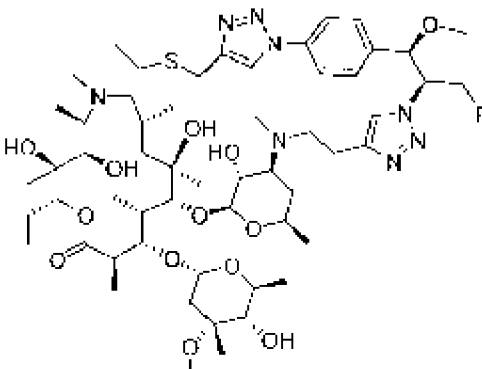
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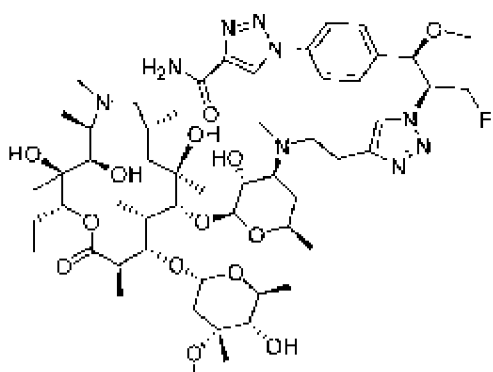
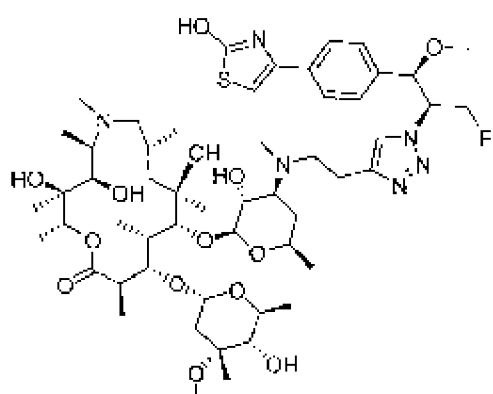
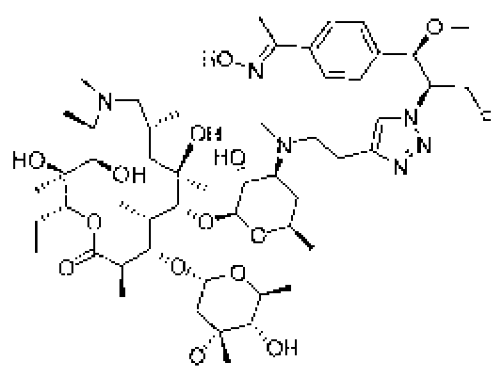
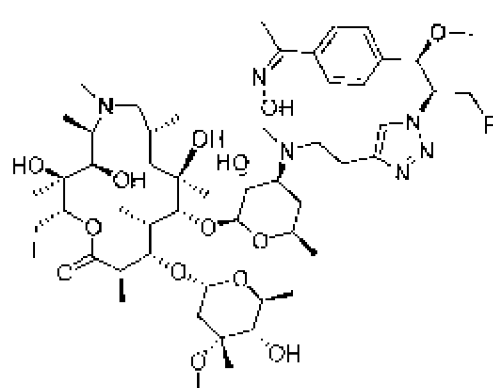
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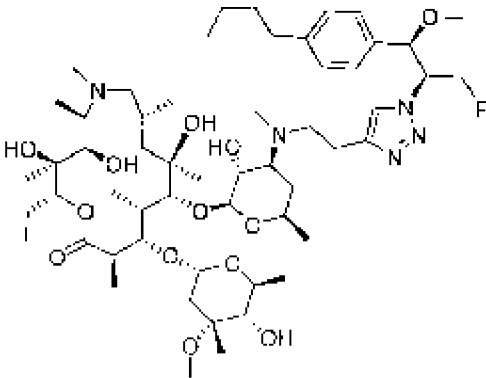
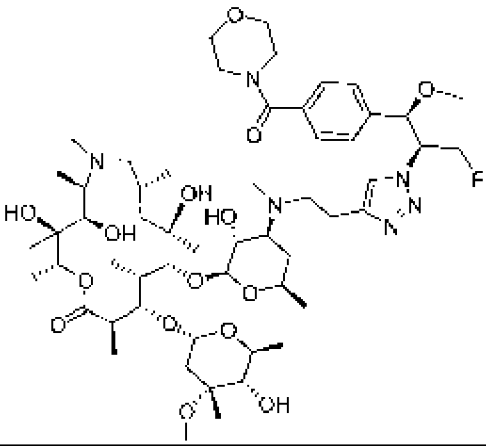
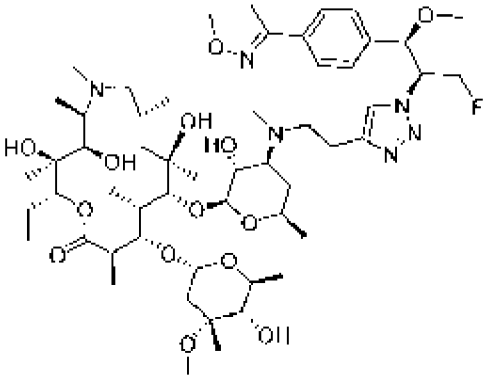
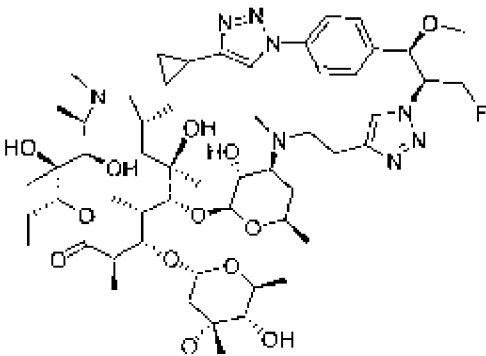
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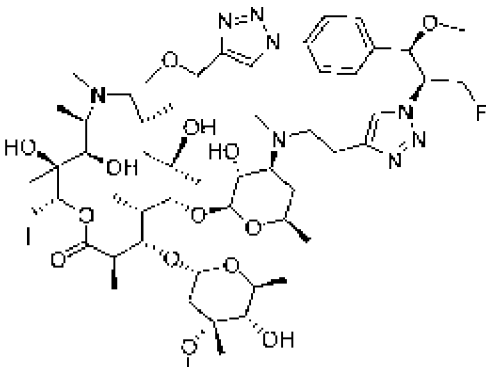
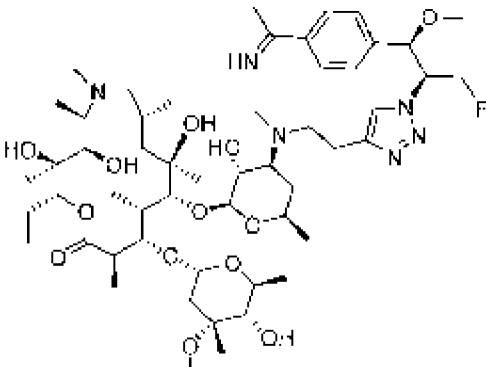
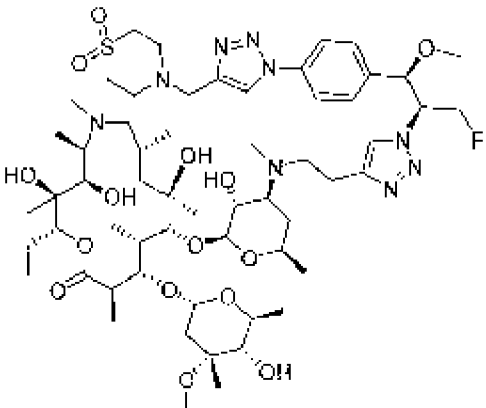
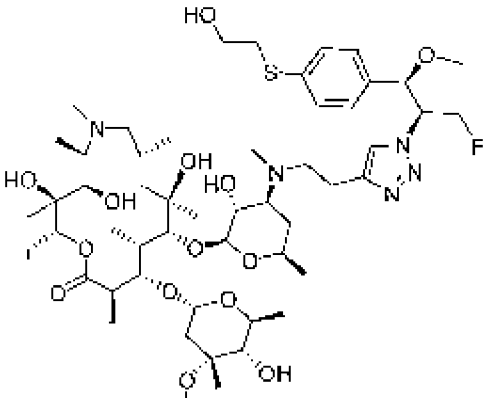
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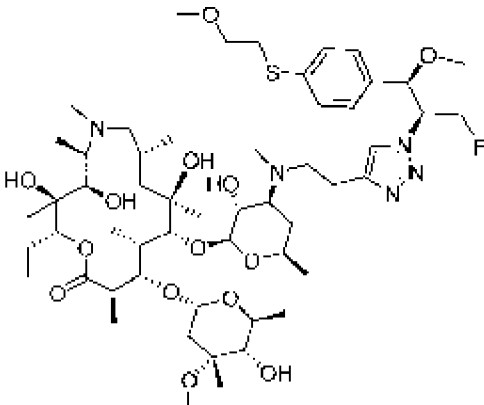
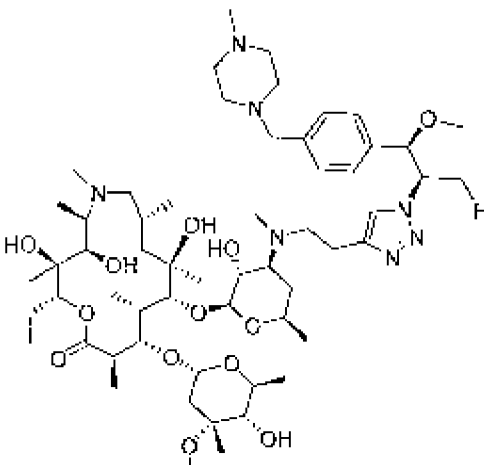
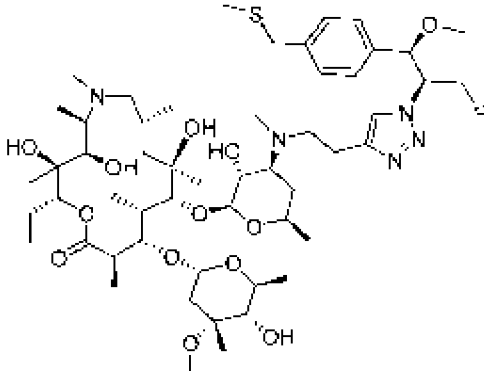
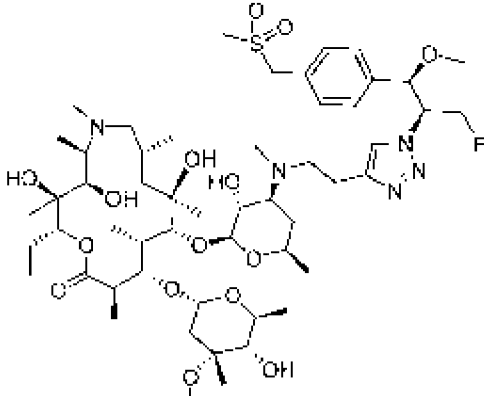
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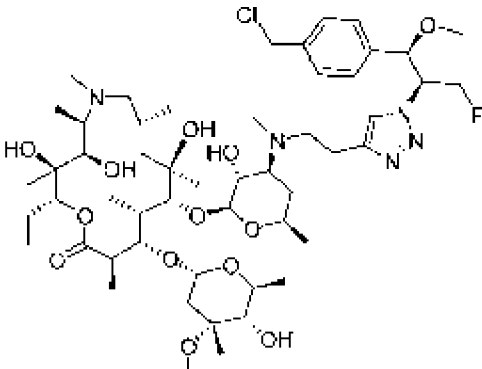
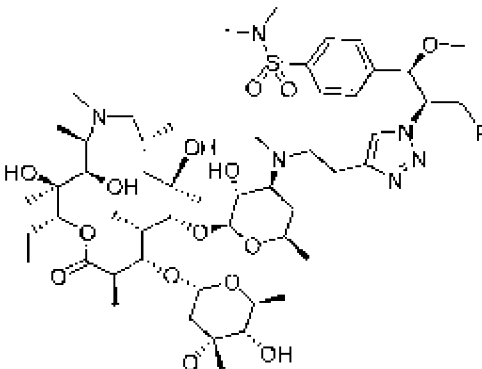
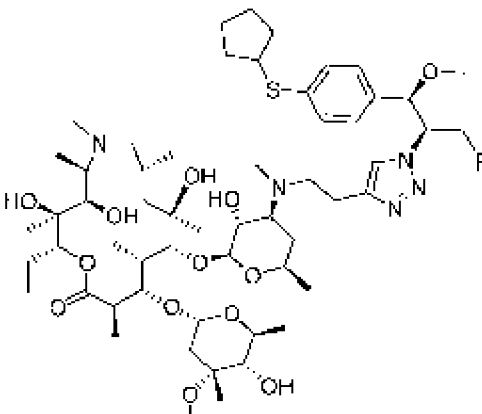
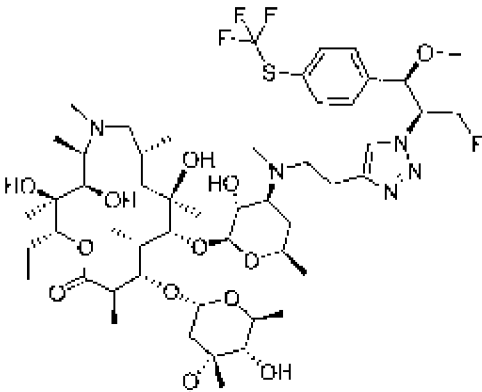
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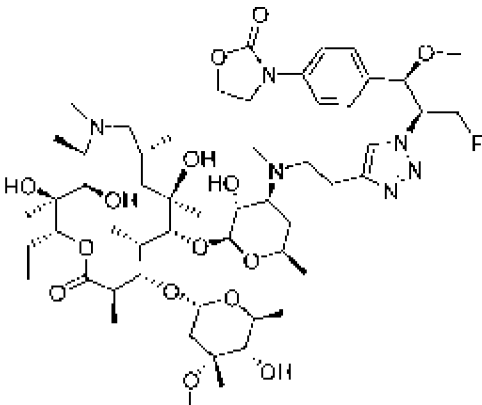
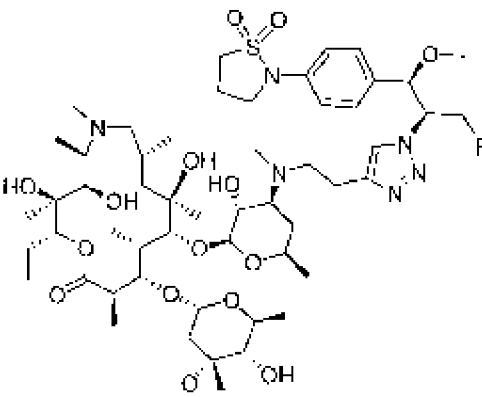
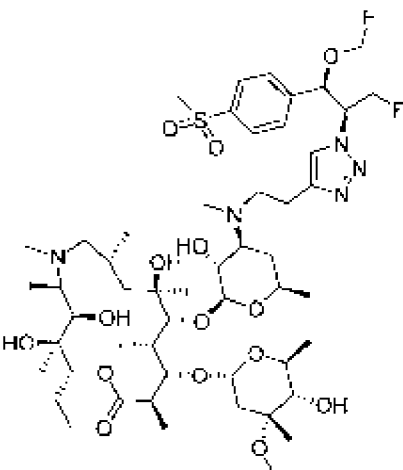
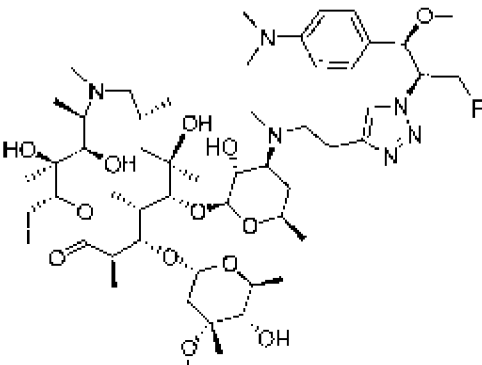
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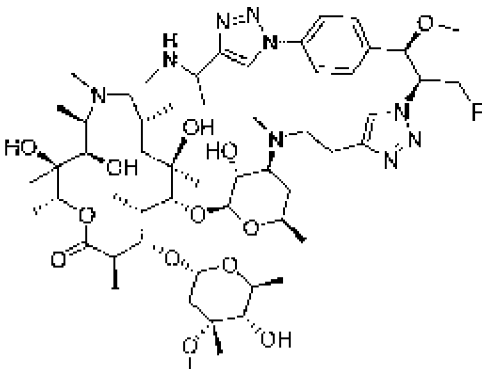
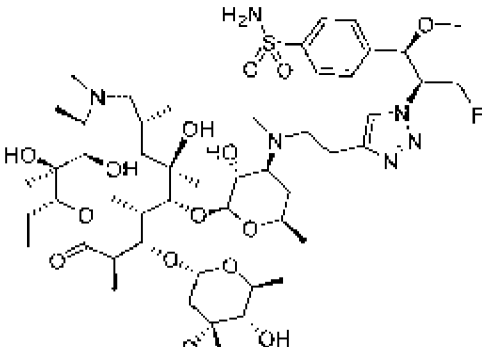
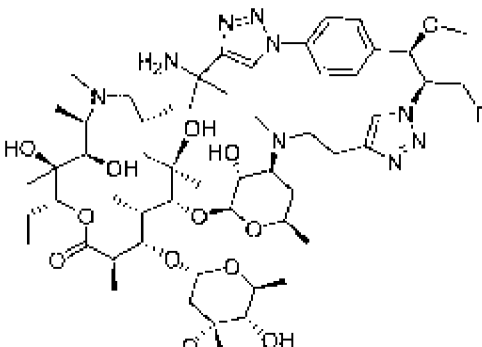
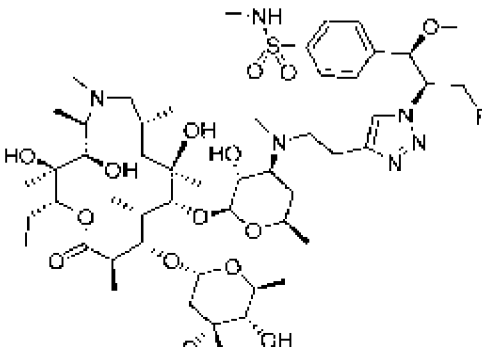
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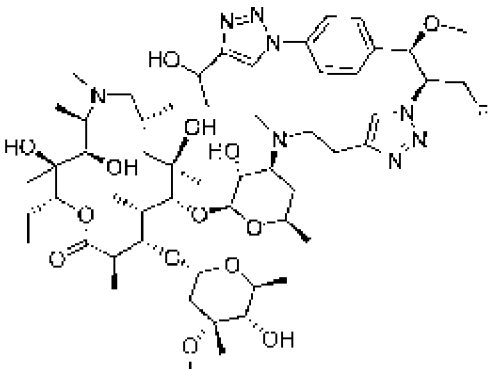
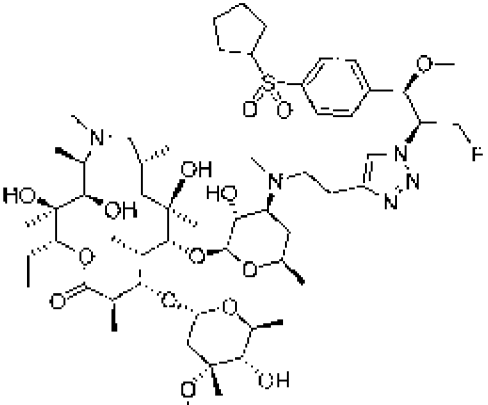
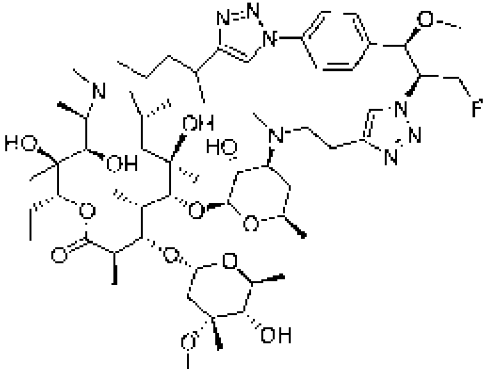
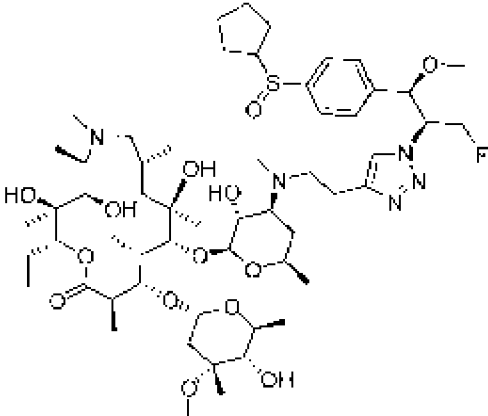
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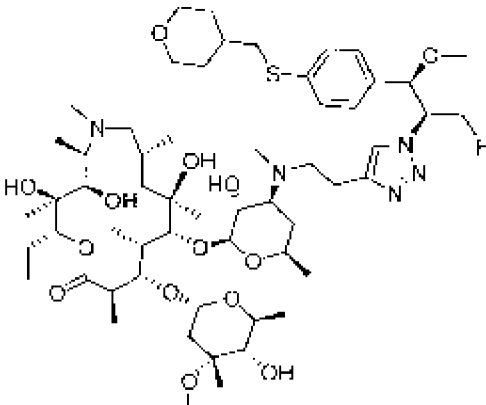
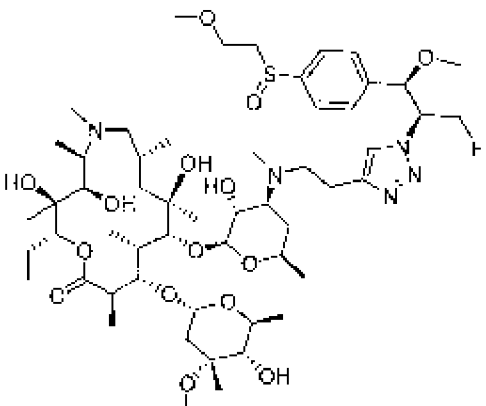
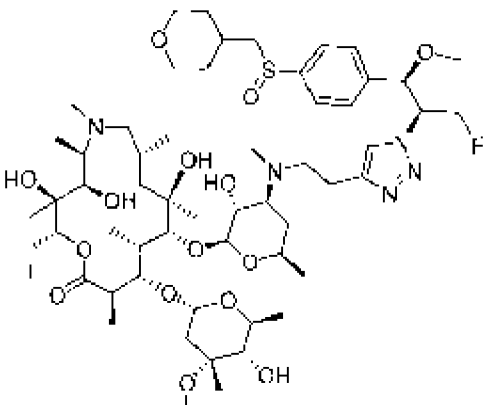
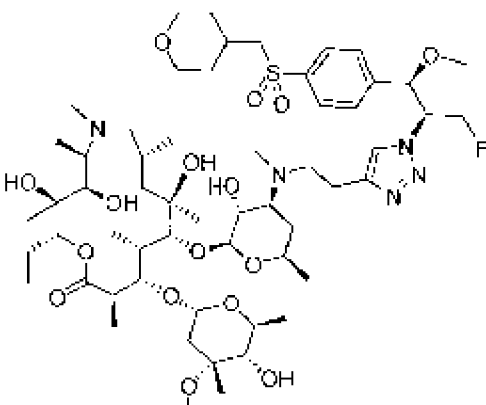
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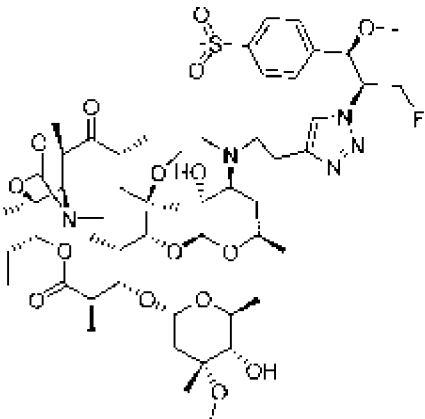
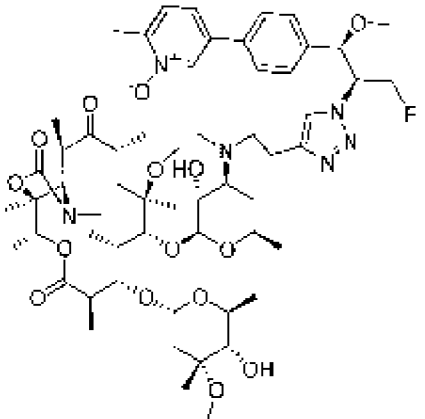
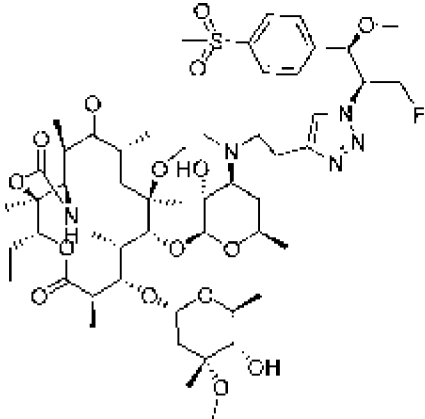
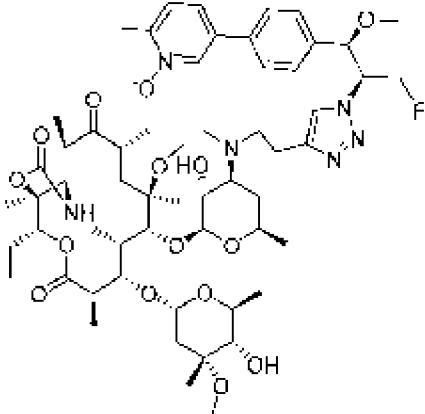
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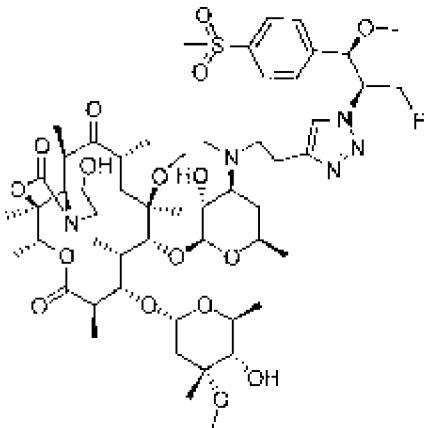
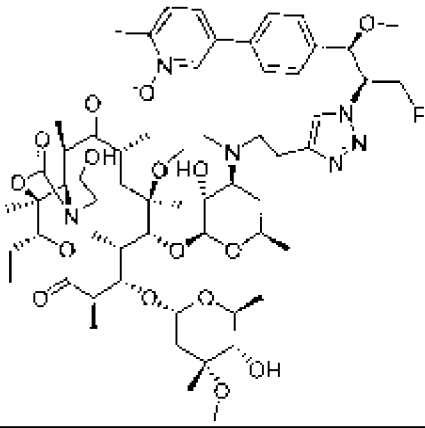
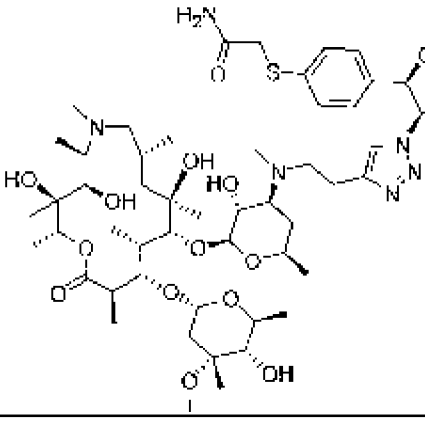
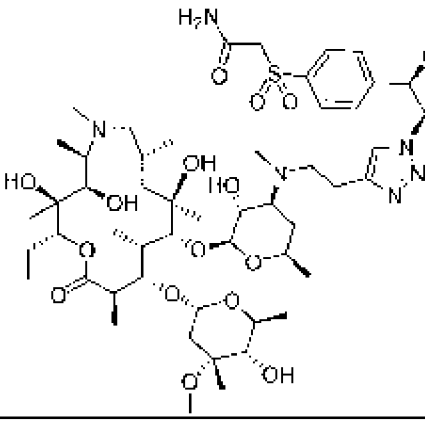
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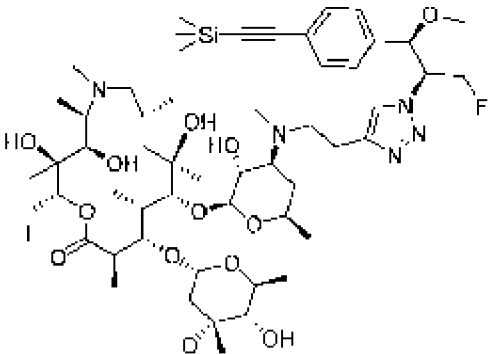
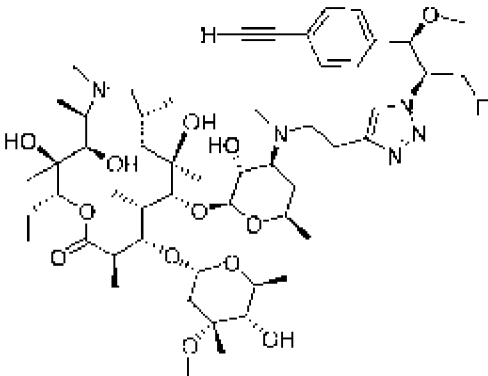
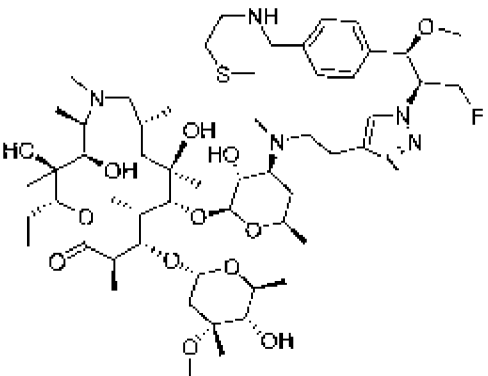
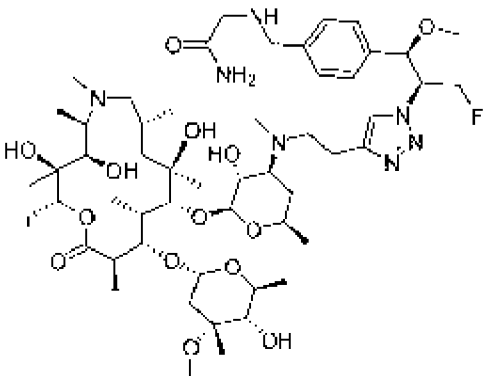
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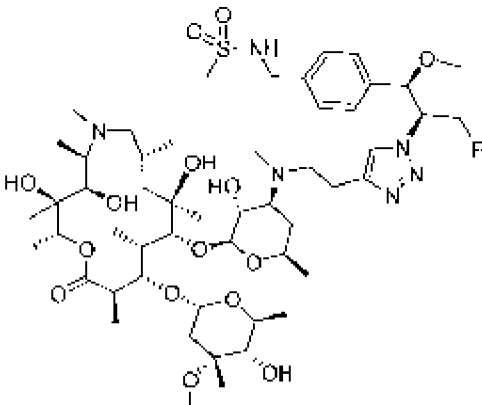
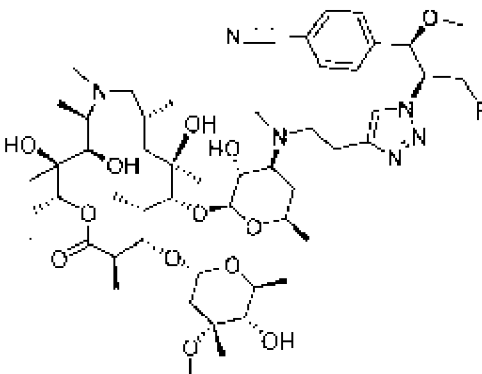
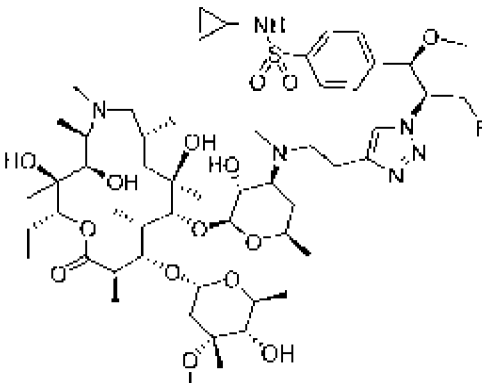
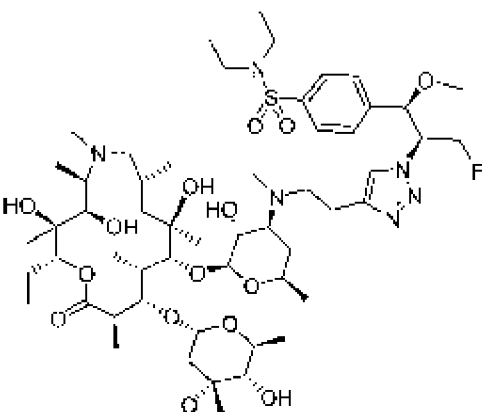
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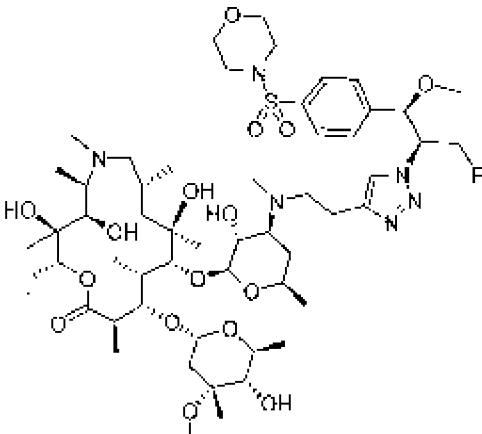
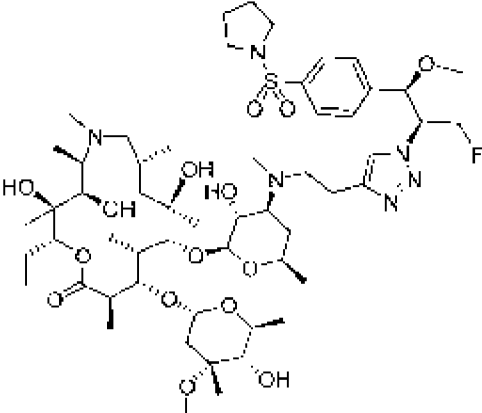
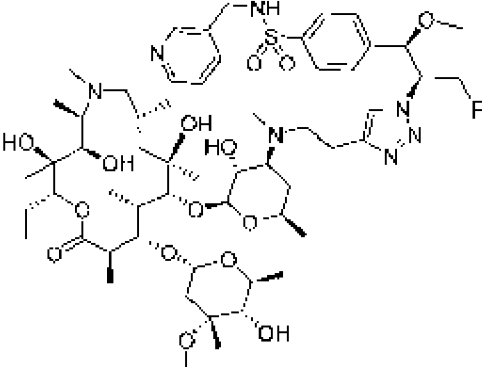
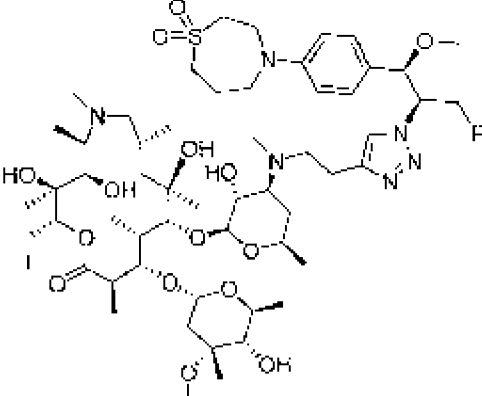
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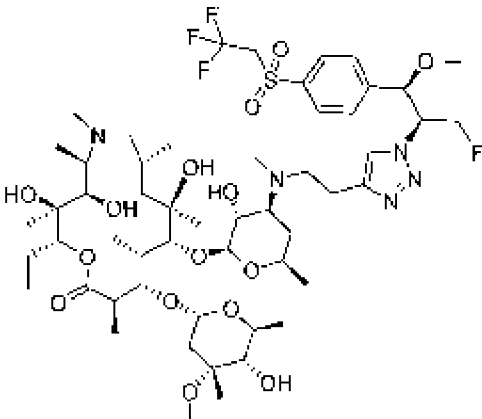
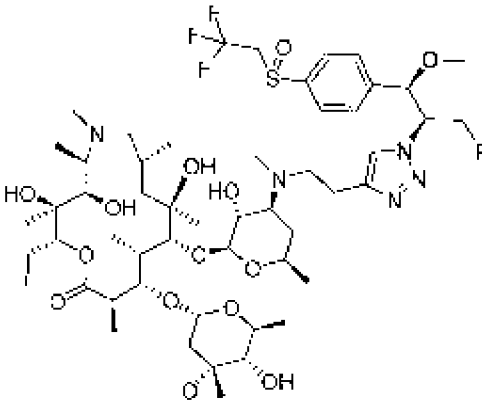
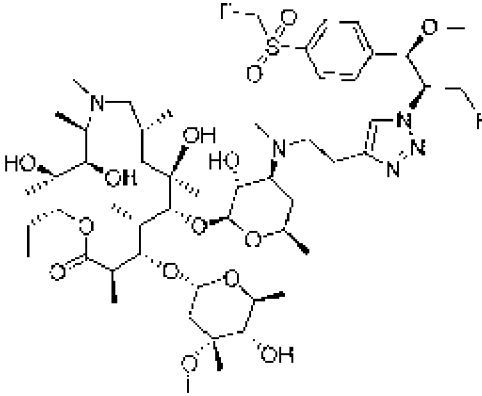
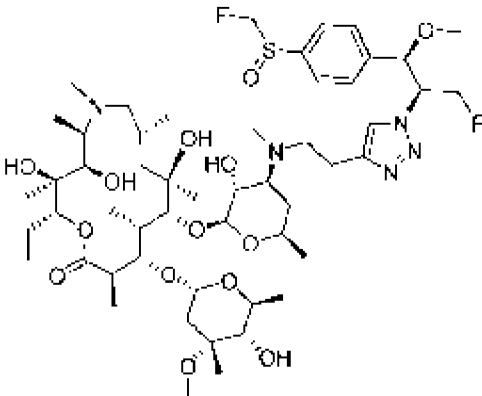
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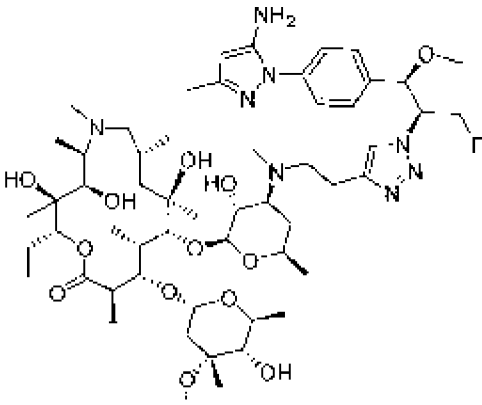
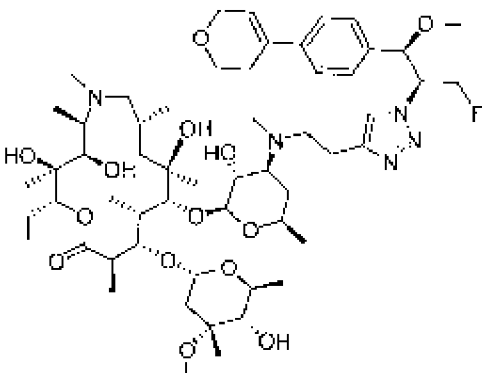
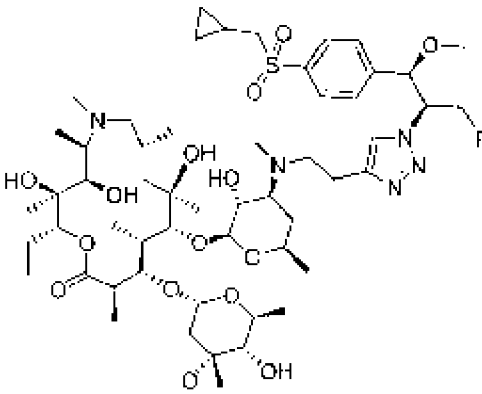
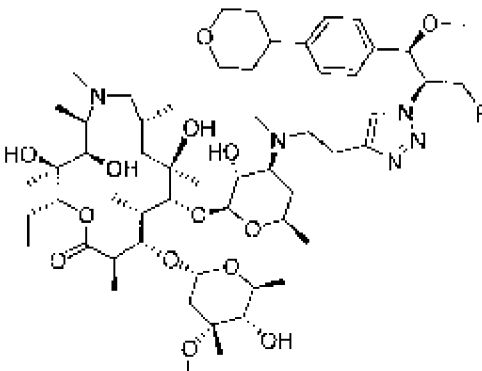
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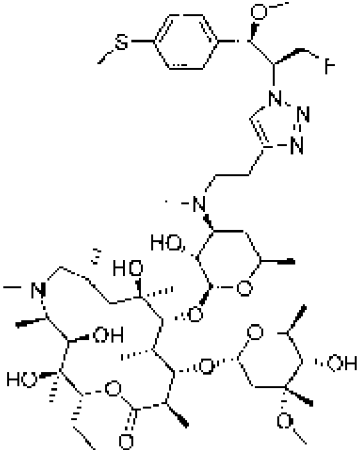
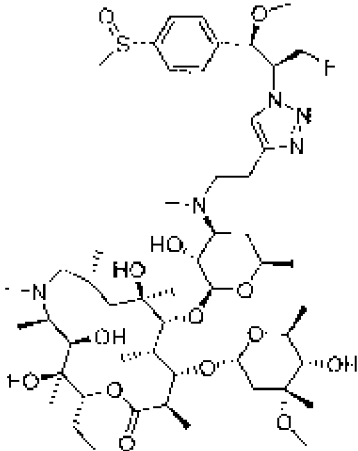
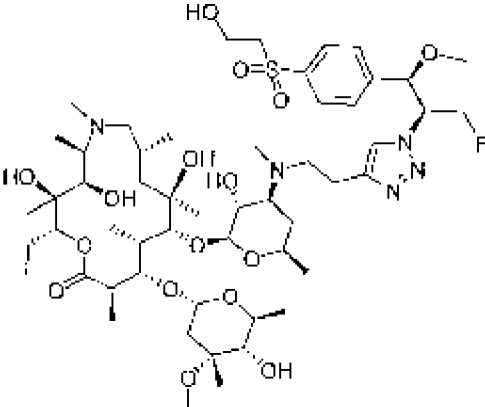
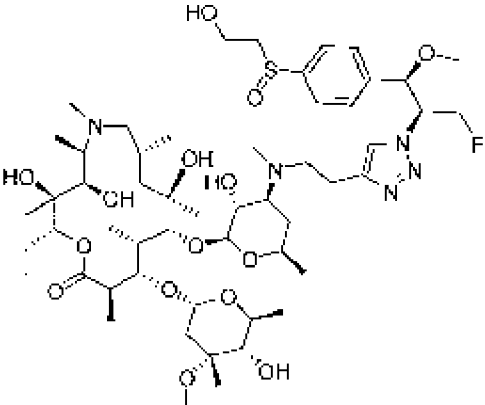
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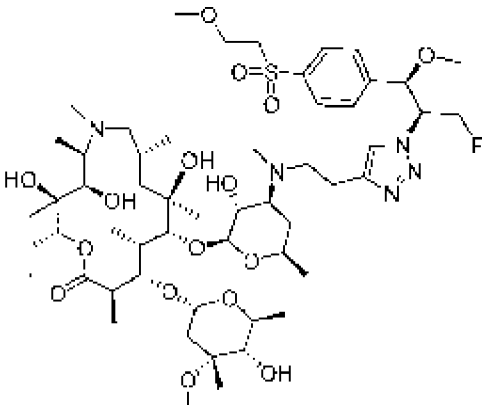
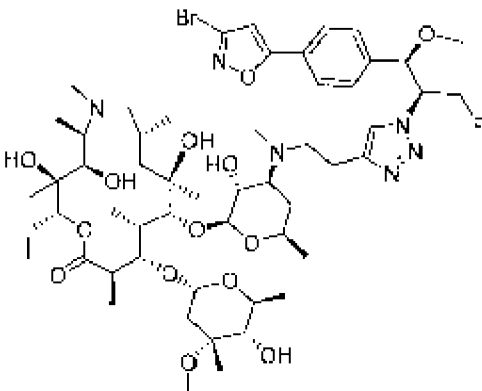
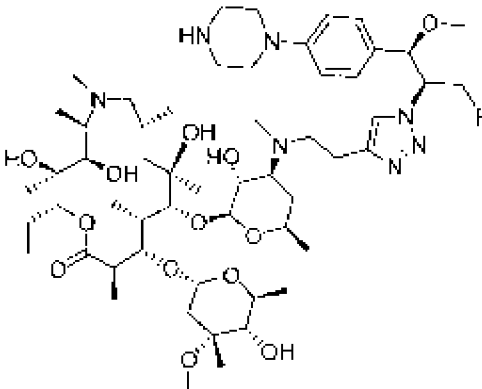
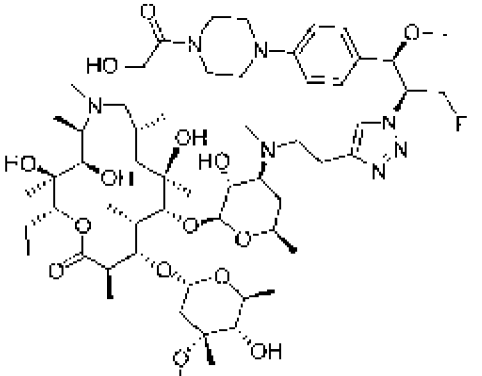
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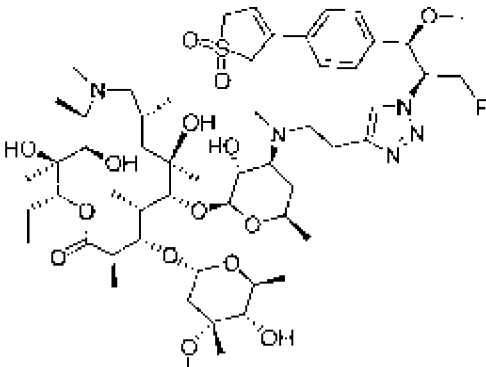
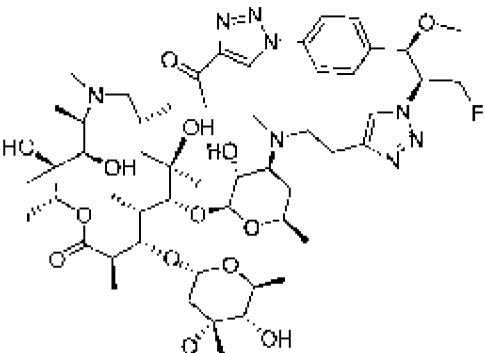
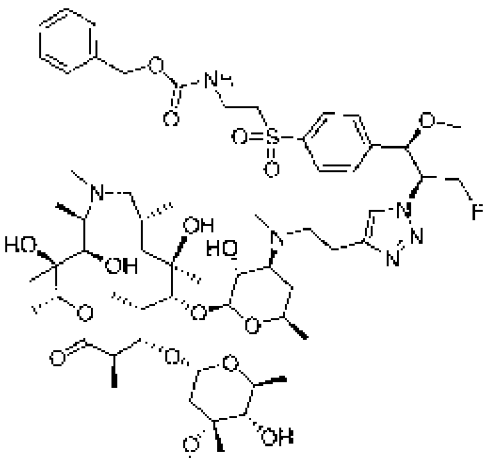
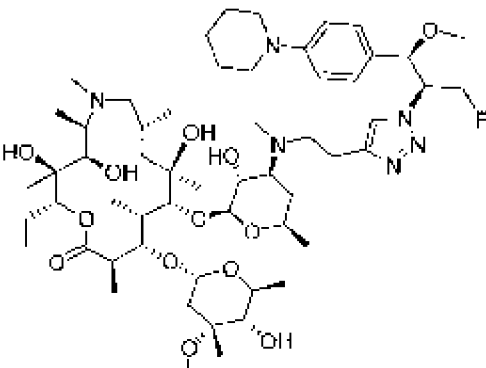
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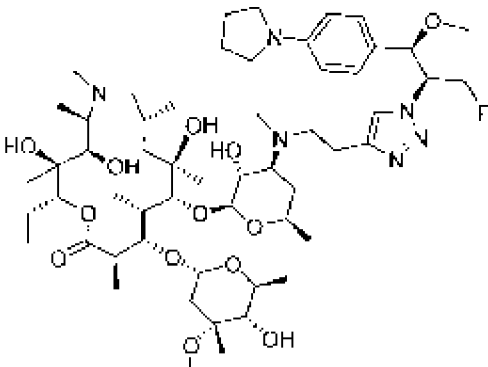
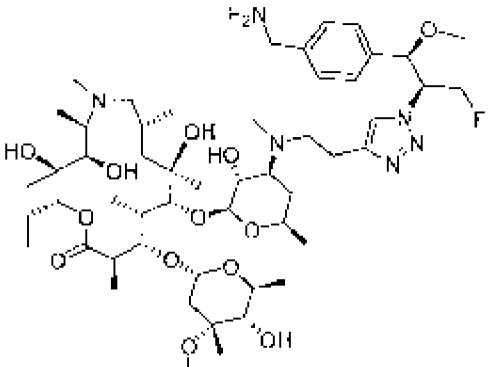
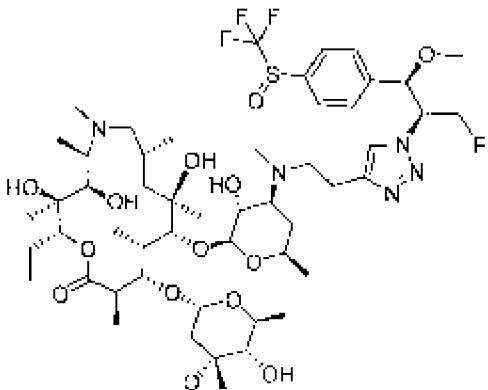
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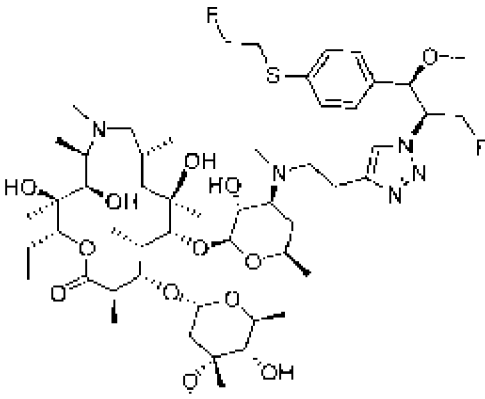
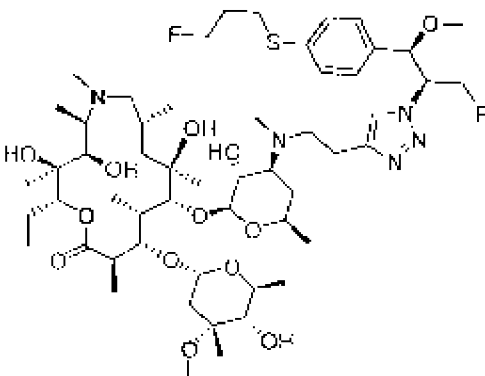
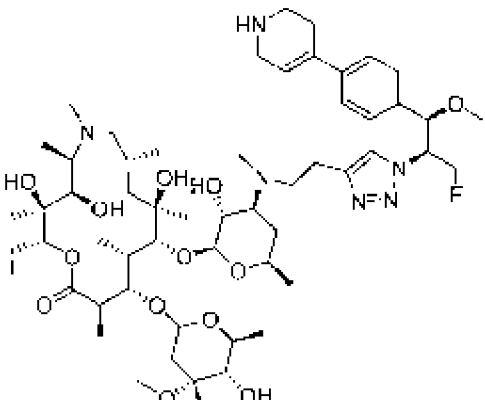
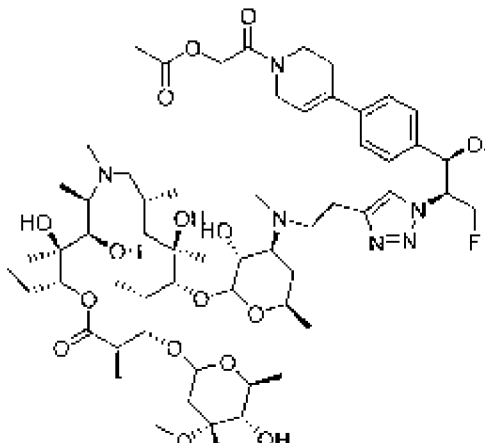
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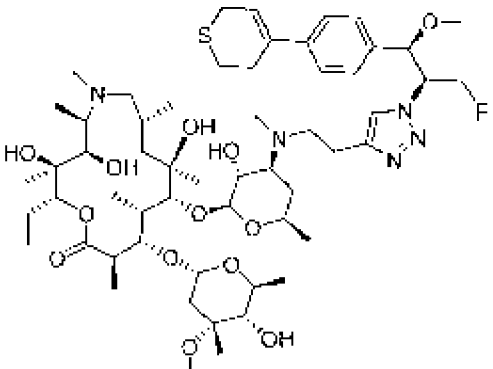
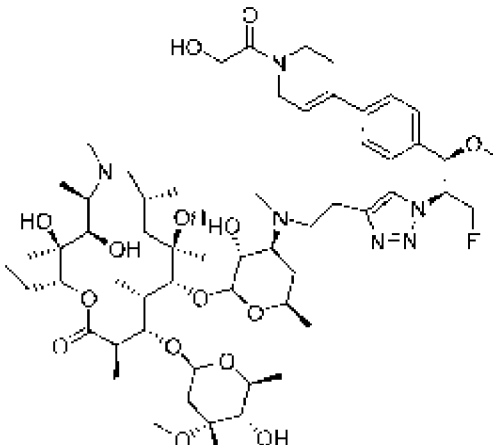
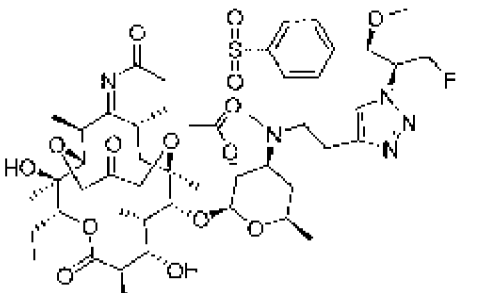
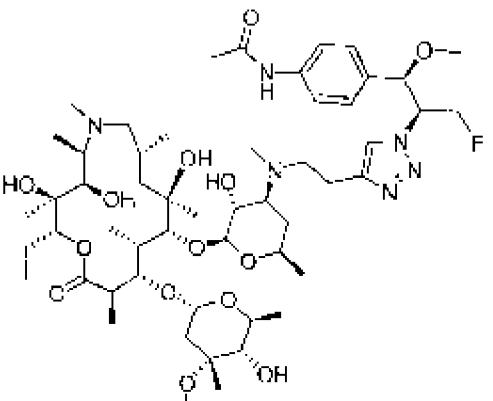
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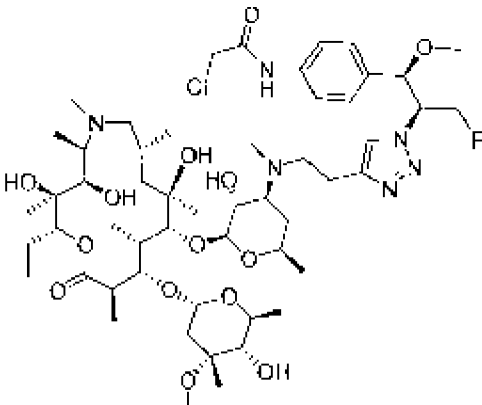
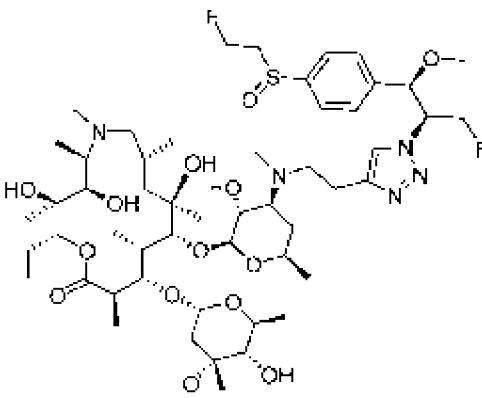
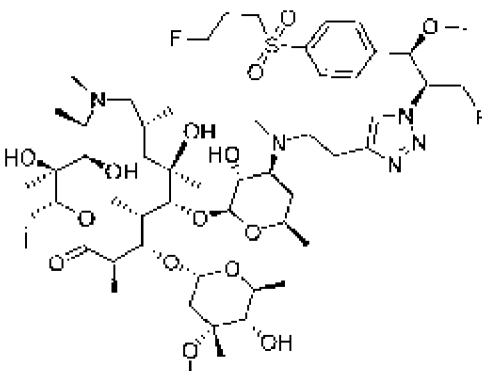
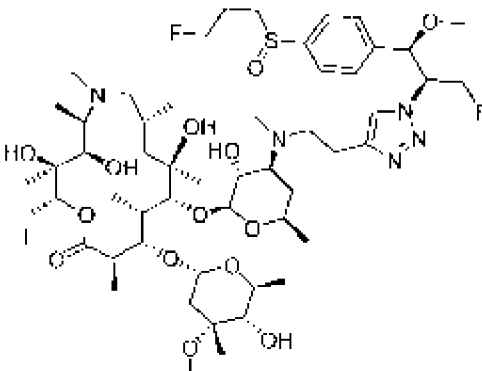
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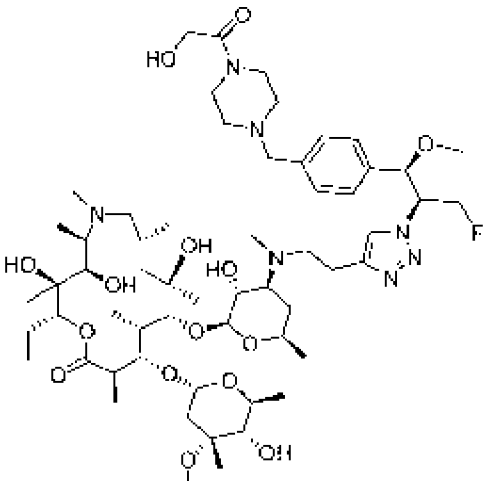
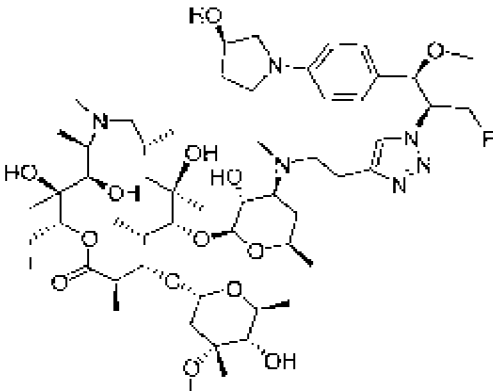
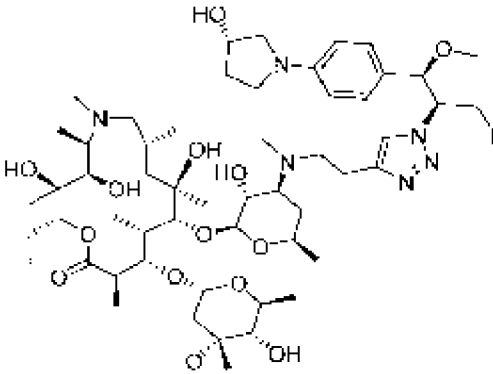
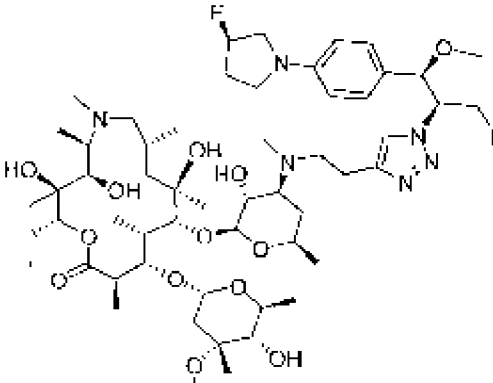
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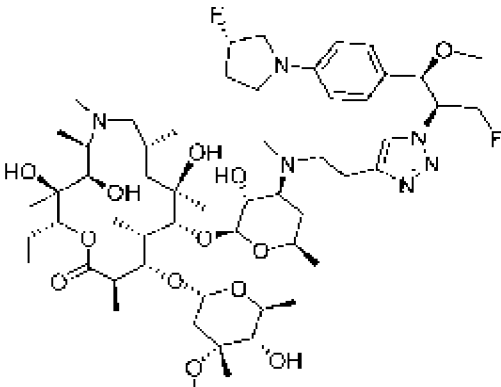
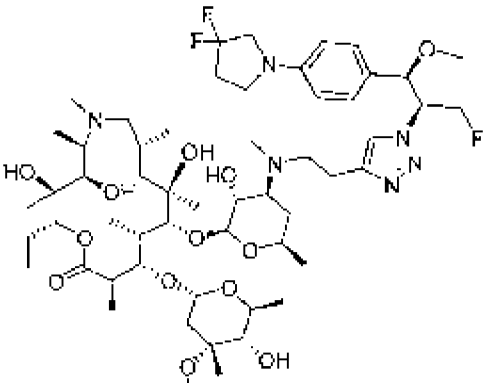
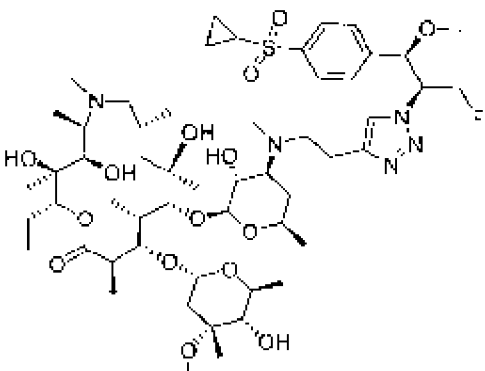
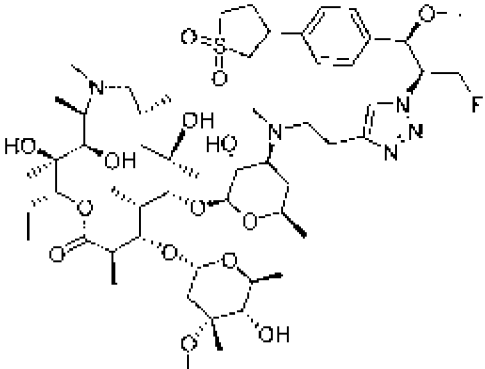
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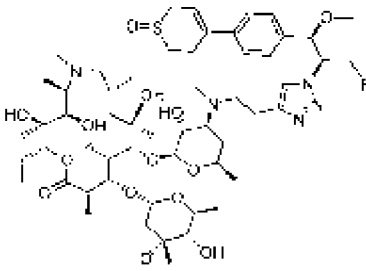
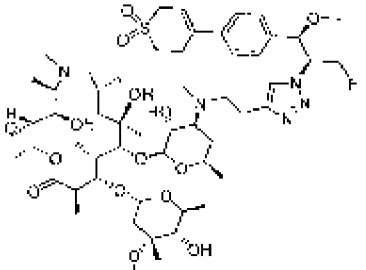
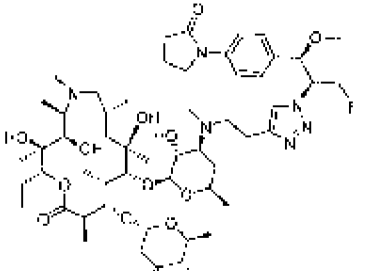
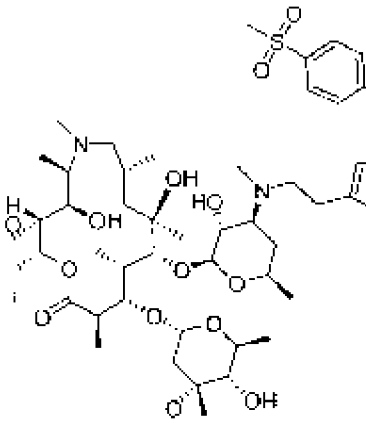


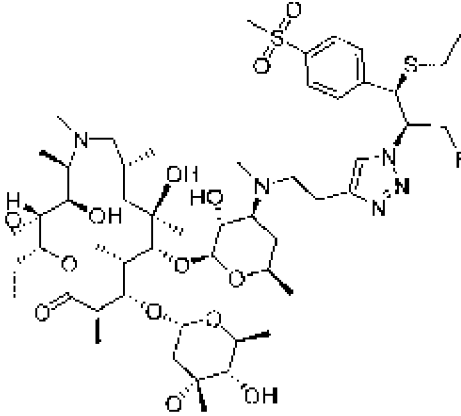
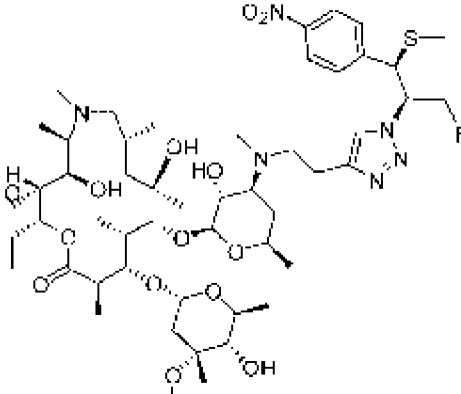
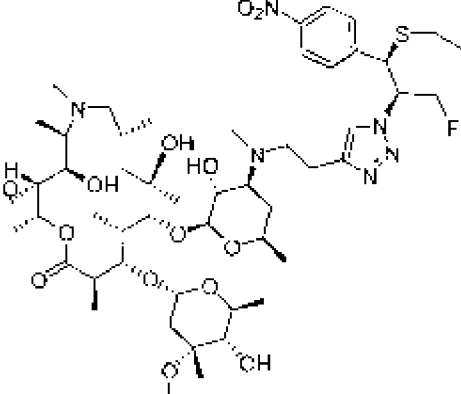
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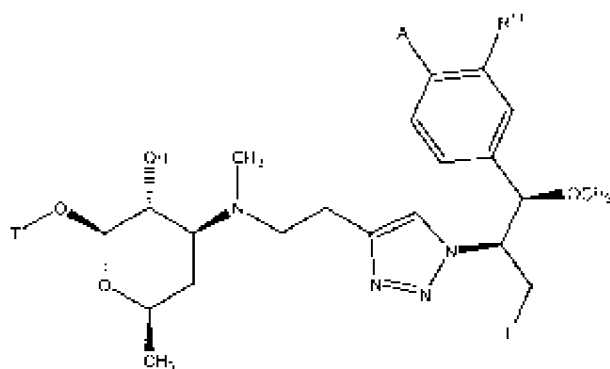
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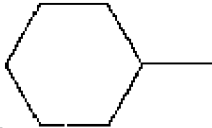
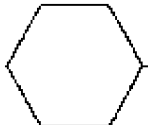
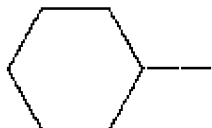
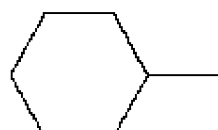
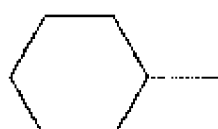
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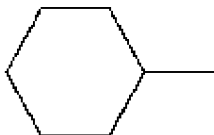
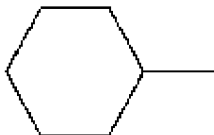
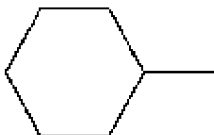
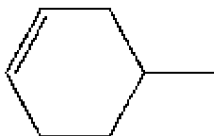
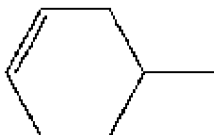
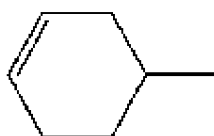
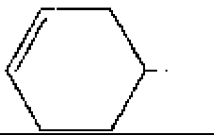
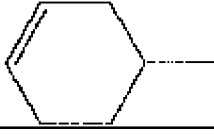



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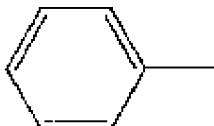
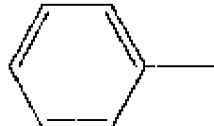
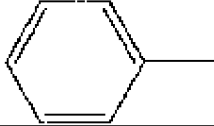
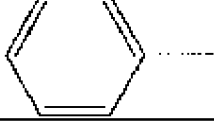
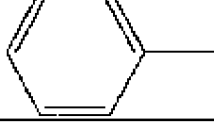
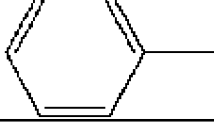
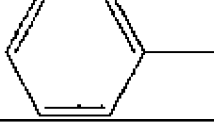
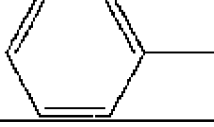

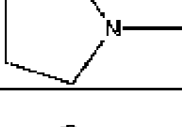
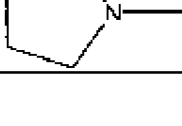
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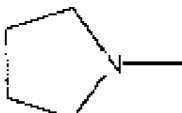
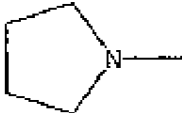
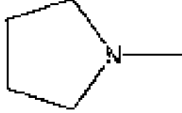
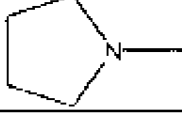
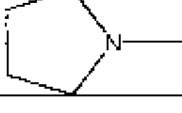
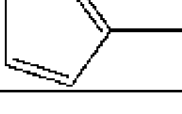








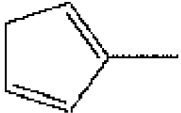
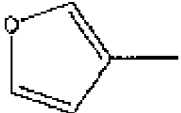
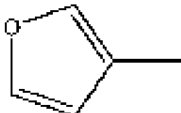
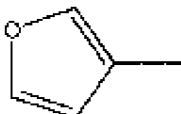
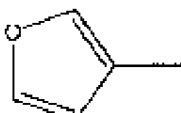
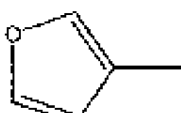
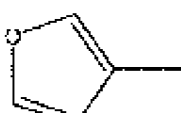
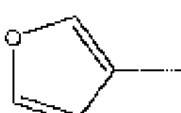
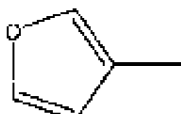
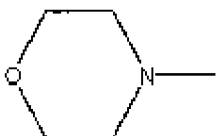
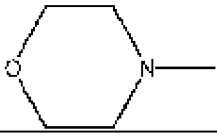
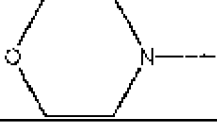
Spoj	T	A	R <sup>11</sup>
1000a	T1	H	H
1000b	T1	H	F
1000c	T2	H	H

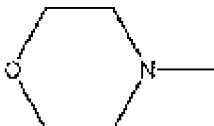
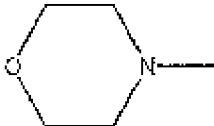
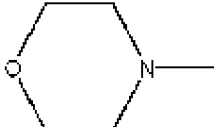
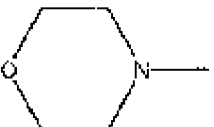
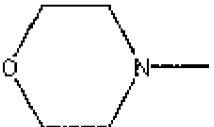
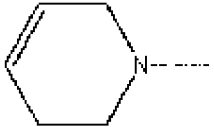
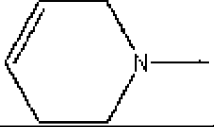
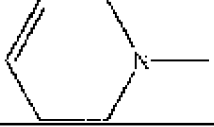
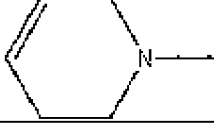
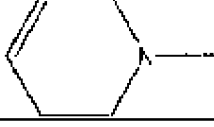
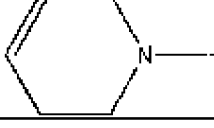
1000d	T2	H	F
1000e	T3	H	H
1000f	T3	H	F
1000g	T4	H	H
1000h	T4	H	F
1001a	T1	CH <sub>3</sub> CH <sub>2</sub> CH <sub>2</sub> -	H
1001b	T1	CH <sub>3</sub> CH <sub>2</sub> CH <sub>2</sub> -	F
1001c	T2	CH <sub>3</sub> CH <sub>2</sub> CH <sub>2</sub> -	H
1001d	T2	CH <sub>3</sub> CH <sub>2</sub> CH <sub>2</sub> -	F
1001e	T3	CH <sub>3</sub> CH <sub>2</sub> CH <sub>2</sub> -	H
1001f	T3	CH <sub>3</sub> CH <sub>2</sub> CH <sub>2</sub> -	F
1001g	T4	CH <sub>3</sub> CH <sub>2</sub> CH <sub>2</sub> -	H
1001h	T4	CH <sub>3</sub> CH <sub>2</sub> CH <sub>2</sub> -	F
1002a	T1	CH <sub>2</sub> =CHCH <sub>2</sub> -	H
1002b	T1	CH <sub>2</sub> =CHCH <sub>2</sub> -	F
1002c	T2	CH <sub>2</sub> =CHCH <sub>2</sub> -	H
1002d	T2	CH <sub>2</sub> =CHCH <sub>2</sub> -	F
1002e	T3	CH <sub>2</sub> =CHCH <sub>2</sub> -	H
1002f	T3	CH <sub>2</sub> =CHCH <sub>2</sub> -	F
1002g	T4	CH <sub>2</sub> =CHCH <sub>2</sub> -	H
1002h	T4	CH <sub>2</sub> =CHCH <sub>2</sub> -	F
1003a	T1	HC≡CCH <sub>2</sub> -	H
1003b	T1	HC≡CCH <sub>2</sub> -	F
1003c	T2	HC≡CCH <sub>2</sub> -	H
1003d	T2	HC≡CCH <sub>2</sub> -	F
1003e	T3	HC≡CCH <sub>2</sub> -	H
1003f	T3	HC≡CCH <sub>2</sub> -	F
1003g	T4	HC≡CCH <sub>2</sub> -	H
1003h	T4	HC≡CCH <sub>2</sub> -	F
1004a	T1		H
1004b	T1		F
1004c	T2		H
1004d	T2		F
1004e	T3		H

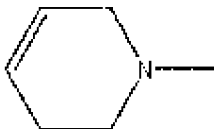
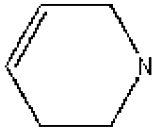
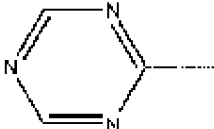
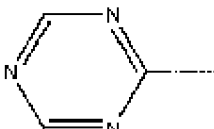
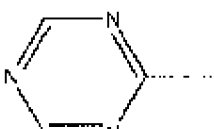
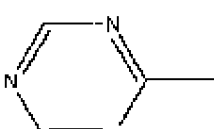
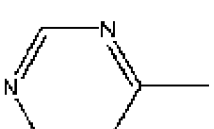
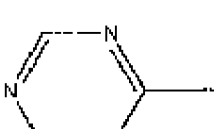
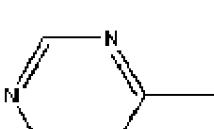
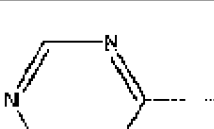

1004f	T3		F
1004g	T4		H
1004h	T4		F
1005a	T1		H
1005b	T1		F
1005c	T2		H
1005d	T2		F
1005e	T3		H
1005f	T3		F
1005g	T4		H
1005h	T4		F

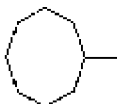
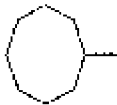

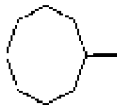
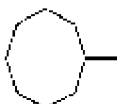
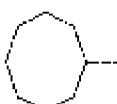
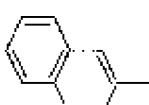







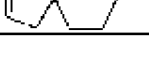
1006a	T1		H
1006b	T1		F
1006c	T2		H
1006d	T2		F
1006e	T3		H
1006f	T3		F
1006g	T4		H
1006h	T4		F
1007a	T1		H
1007b	T1		F
1007c	T2		H


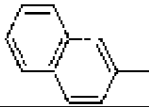

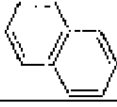

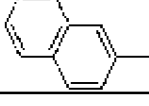

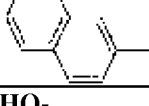
1007d	T2		F
1007e	T3		H
1007f	T3		F
1007g	T4		H
1007h	T4		F
1008a	T1		H
1008b	T1		F
1008c	T2		H
1008d	T2		F
1008e	T3		H
1008f	T3		H
1008g	T4		H

1008h	T4		F
1009a	T1		H
1009b	T1		F
1009c	T2		H
1009d	T2		F
1009e	T3		H
1009f	T3		F
1009g	T4		H
1009h	T4		F
1010a	T1		H
1010b	T1		F
1010c	T2		H

<b>1010d</b>	<b>T2</b>		<b>F</b>
<b>1010e</b>	<b>T3</b>		<b>H</b>
<b>1010f</b>	<b>T3</b>		<b>F</b>
<b>1010g</b>	<b>T4</b>		<b>H</b>
<b>1010h</b>	<b>T4</b>		<b>F</b>
<b>1011a</b>	<b>T1</b>		<b>H</b>
<b>1011b</b>	<b>T1</b>		<b>F</b>
<b>1011c</b>	<b>T2</b>		<b>H</b>
<b>1011d</b>	<b>T2</b>		<b>F</b>
<b>1011e</b>	<b>T3</b>		<b>H</b>
<b>1011f</b>	<b>T3</b>		<b>F</b>

1011g	T4		H
1011h	T4		F
1012a	T1		H
1012b	T1		F
1012c	T2		H
1012d	T2		F
1012e	T3		H
1012f	T3		F
1012g	T4		H
1012h	T4		F
1013a	T1		H

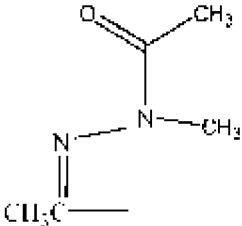
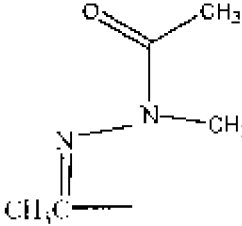
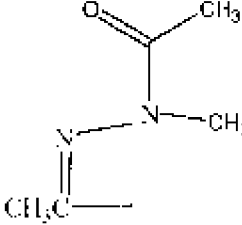
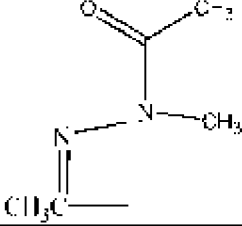
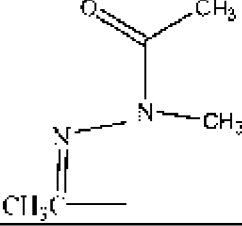
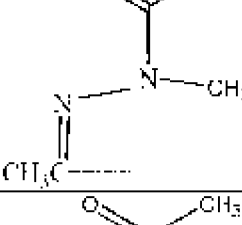
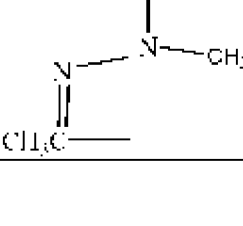
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1013c	T2		H
1013d	T2		F
1013e	T3		H
1013f	T3		F
1013g	T4		H
1013h	T4		F
10140a	T1		H
1014b	T1		F
1014c	T2		H
1014d	T2		F
1014e	T3		H
1014f	T3		F
1014g	T4		H
1014h	T4		F

1015a	T1		H
1015b	T1		F
1015c	T2		H
1015d	T2		F
1015e	T3		H
1015f	T3		F
1015g	T4		H
1015h	T4		F
1016a	T1	HO-	H
1016b	T1	HO-	F
1016c	T2	HO-	H
1016d	T2	HO-	F
1016e	T3	HO-	H
1016f	T3	HO-	F
1016g	T4	HO-	H
1016h	T4	HO-	F
1017a	T1	HS-	H
1017b	T1	HS-	F
1017c	T2	HS-	H
1017d	T2	HS-	F
1017e	T3	HS-	H
1017f	T3	HS-	F
1017g	T4	HS-	H
1017h	T4	HS-	F
1018a	T1	F	H
1018b	T1	F	F
1018c	T2	F	H
1018d	T2	F	F
1018e	T3	F	H
1018f	T3	F	F
1018g	T4	F	H
1018h	T4	F	F

1019a	T1	Cl	H
1019b	T1	Cl	F
1019c	T2	Cl	H
1019d	T2	Cl	F
1019e	T3	Cl	H
1019f	T3	Cl	F
1019g	T4	Cl	H
1019h	T4	Cl	F
1020a	T1	Br	H
1020b	T1	Br	F
1020c	T2	Br	H
1020d	T2	Br	F
1020e	T3	Br	H
1020f	T3	Br	F
1020g	T4	Br	H
1020h	T4	Br	F
1021a	T1	I	H
1021b	T1	I	F
1021c	T2	I	H
1021d	T2	I	F
1021e	T3	I	H
1021f	T3	I	F
1021g	T4	I	H
1021h	T4	I	F
1022a	T1	F <sub>3</sub> C-	H
1022b	T1	F <sub>3</sub> C-	F
1022c	T2	F <sub>3</sub> C-	H
1022d	T2	F <sub>3</sub> C-	F
1022e	T3	F <sub>3</sub> C-	H
1022f	T3	F <sub>3</sub> C-	F
1022g	T4	F <sub>3</sub> C-	H
1022h	T4	F <sub>3</sub> C-	F
1023a	T1	NC-	H
1023b	T1	NC-	F
1023c	T2	NC-	H
1023d	T2	NC-	F
1023e	T3	NC-	H
1023f	T3	NC-	F
1023g	T4	NC-	H
1023h	T4	NC-	F
1024a	T1	N <sub>3</sub> -	H
1024b	T1	N <sub>3</sub> -	F
1024c	T2	N <sub>3</sub> -	H
1024d	T2	N <sub>3</sub> -	F
1024e	T3	N <sub>3</sub> -	H
1024f	T3	N <sub>3</sub> -	F
1024g	T4	N <sub>3</sub> -	H
1024h	T4	N <sub>3</sub> -	F
1025a	T1	NO <sub>2</sub> -	H
1025b	T1	NO <sub>2</sub> -	F
1025c	T2	NO <sub>2</sub> -	H
1025d	T2	NO <sub>2</sub> -	F
1025e	T3	NO <sub>2</sub> -	H
1025f	T3	NO <sub>2</sub> -	F
1025g	T4	NO <sub>2</sub> -	H
1025h	T4	NO <sub>2</sub> -	F
1026a	T1	(CH <sub>3</sub> ) <sub>2</sub> N-	H
1026b	T1	(CH <sub>3</sub> ) <sub>2</sub> N-	F

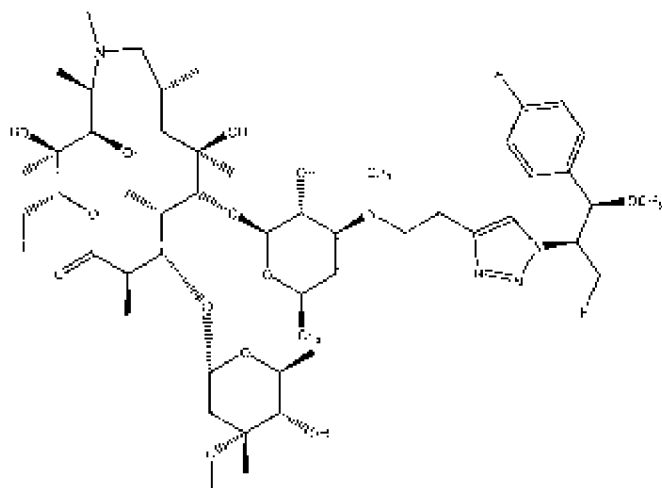
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1026d	T2	(CH <sub>3</sub> ) <sub>2</sub> N-	F
1026e	T3	(CH <sub>3</sub> ) <sub>2</sub> N-	H
1026f	T3	(CH <sub>3</sub> ) <sub>2</sub> N-	F
1026g	T4	(CH <sub>3</sub> ) <sub>2</sub> N-	H
1026h	T4	(CH <sub>3</sub> ) <sub>2</sub> N-	F
1027a	T1	CH <sub>3</sub> O-	H
1027b	T1	CH <sub>3</sub> O-	F
1027c	T2	CH <sub>3</sub> O-	H
1027d	T2	CH <sub>3</sub> O-	F
1027e	T3	CH <sub>3</sub> O-	H
1027f	T3	CH <sub>3</sub> O-	F
1027g	T4	CH <sub>3</sub> O-	H
1027h	T4	CH <sub>3</sub> O-	F
1028a	T1	CH <sub>3</sub> S-	H
1028b	T1	CH <sub>3</sub> S-	F
1028c	T2	CH <sub>3</sub> S-	H
1028d	T2	CH <sub>3</sub> S-	F
1028e	T3	CH <sub>3</sub> S-	H
1028f	T3	CH <sub>3</sub> S-	F
1028g	T4	CH <sub>3</sub> S-	H
1028h	T4	CH <sub>3</sub> S-	F
1029a	T1	CH <sub>3</sub> S(=O)-	H
1029b	T1	CH <sub>3</sub> S(=O)-	F
1029c	T2	CH <sub>3</sub> S(=O)-	H
1029d	T2	CH <sub>3</sub> S(=O)-	F
1029e	T3	CH <sub>3</sub> S(=O)-	H
1029f	T3	CH <sub>3</sub> S(=O)-	F
1029g	T4	CH <sub>3</sub> S(=O)-	H
1029h	T4	CH <sub>3</sub> S(=O)-	F
1030a	T1	CH <sub>3</sub> S(=O) <sub>2</sub> -	H
1030b	T1	CH <sub>3</sub> S(=O) <sub>2</sub> -	F
1030c	T2	CH <sub>3</sub> S(=O) <sub>2</sub> -	H
1030d	T2	CH <sub>3</sub> S(=O) <sub>2</sub> -	F
1030e	T3	CH <sub>3</sub> S(=O) <sub>2</sub> -	H
1030f	T3	CH <sub>3</sub> S(=O) <sub>2</sub> -	F
1030g	T4	CH <sub>3</sub> S(=O) <sub>2</sub> -	H
1030h	T4	CH <sub>3</sub> S(=O) <sub>2</sub> -	F
1031a	T1	HC(=O)-	H
1031b	T1	HC(=O)-	F
1031c	T2	HC(=O)-	H
1031d	T2	HC(=O)-	F
1031e	T3	HC(=O)-	H
1031f	T3	HC(=O)-	F
1031g	T4	HC(=O)-	H
1031h	T4	HC(=O)-	F
1032a	T1	CH <sub>3</sub> C(=O)-	H
1032b	T1	CH <sub>3</sub> C(=O)-	F
1032c	T2	CH <sub>3</sub> C(=O)-	H
1032d	T2	CH <sub>3</sub> C(=O)-	F
1032e	T3	CH <sub>3</sub> C(=O)-	H
1032f	T3	CH <sub>3</sub> C(=O)-	F
1032g	T4	CH <sub>3</sub> C(=O)-	H
1032h	T4	CH <sub>3</sub> C(=O)-	F
1033a	T1	CH <sub>3</sub> OC(=O)-	H
1033b	T1	CH <sub>3</sub> OC(=O)-	F
1033c	T2	CH <sub>3</sub> OC(=O)-	H
1033d	T2	CH <sub>3</sub> OC(=O)-	F

1033e	T3	CH <sub>3</sub> OC(=O)-	H
1033f	T3	CH <sub>3</sub> OC(=O)-	F
1033g	T4	CH <sub>3</sub> OC(=O)-	H
1033h	T4	CH <sub>3</sub> OC(=O)-	F
1034a	T1	CH <sub>3</sub> COO-	H
1034b	T1	CH <sub>3</sub> COO-	F
1034c	T2	CH <sub>3</sub> COO-	H
1034d	T2	CH <sub>3</sub> COO-	F
1034e	T3	CH <sub>3</sub> COO-	H
1034f	T3	CH <sub>3</sub> COO-	F
1034g	T4	CH <sub>3</sub> COO-	H
1034h	T4	CH <sub>3</sub> COO-	F
1035a	T1	CH <sub>3</sub> OCOO-	H
1035b	T1	CH <sub>3</sub> OCOO-	F
1035c	T2	CH <sub>3</sub> OCOO-	H
1035d	T2	CH <sub>3</sub> OCOO-	F
1035e	T3	CH <sub>3</sub> OCOO-	H
1035f	T3	CH <sub>3</sub> OCOO-	F
1035g	T4	CH <sub>3</sub> OCOO-	H
1035h	T4	CH <sub>3</sub> OCOO-	F
1036a	T1	CH <sub>3</sub> C(=O)S-	H
1036b	T1	CH <sub>3</sub> C(=O)S-	F
1036c	T2	CH <sub>3</sub> C(=O)S-	H
1036d	T2	CH <sub>3</sub> C(=O)S-	F
1036e	T3	CH <sub>3</sub> C(=O)S-	H
1036f	T3	CH <sub>3</sub> C(=O)S-	F
1036g	T4	CH <sub>3</sub> C(=O)S-	H
1036h	T4	CH <sub>3</sub> C(=O)S-	F
1037a	T1	CH <sub>3</sub> C(=O)NH-	H
1037b	T1	CH <sub>3</sub> C(=O)NH-	F
1037c	T2	CH <sub>3</sub> C(=O)NH-	H
1037d	T2	CH <sub>3</sub> C(=O)NH-	F
1037e	T3	CH <sub>3</sub> C(=O)NH-	H
1037f	T3	CH <sub>3</sub> C(=O)NH-	F
1037g	T4	CH <sub>3</sub> C(=O)NH-	H
1037h	T4	CH <sub>3</sub> C(=O)NH-	F
1038a	T1	CH <sub>3</sub> NHC(=O)-	H
1038b	T1	CH <sub>3</sub> NHC(=O)-	F
1038c	T2	CH <sub>3</sub> NHC(=O)-	H
1038d	T2	CH <sub>3</sub> NHC(=O)-	F
1038e	T3	CH <sub>3</sub> NHC(=O)-	H
1038f	T3	CH <sub>3</sub> NHC(=O)-	F
1038g	T4	CH <sub>3</sub> NHC(=O)-	H
1038h	T4	CH <sub>3</sub> NHC(=O)-	F
1039a	T1	CH <sub>3</sub> C(=NOH)-	H
1039b	T1	CH <sub>3</sub> C(=NOH)-	F
1039c	T2	CH <sub>3</sub> C(=NOH)-	H
1039d	T2	CH <sub>3</sub> C(=NOH)-	F
1039e	T3	CH <sub>3</sub> C(=NOH)-	H
1039f	T3	CH <sub>3</sub> C(=NOH)-	F
1039g	T4	CH <sub>3</sub> C(=NOH)-	H
1039h	T4	CH <sub>3</sub> C(=NOH)-	F
1040a	T1	CH <sub>3</sub> C[=N-N(CH <sub>3</sub> ) <sub>2</sub> ]-	H
1040b	T1	CH <sub>3</sub> C[=N-N(CH <sub>3</sub> ) <sub>2</sub> ]-	F
1040c	T2	CH <sub>3</sub> C[=N-N(CH <sub>3</sub> ) <sub>2</sub> ]-	H
1040d	T2	CH <sub>3</sub> C[=N-N(CH <sub>3</sub> ) <sub>2</sub> ]-	F
1040e	T3	CH <sub>3</sub> C[=N-N(CH <sub>3</sub> ) <sub>2</sub> ]-	H
1040f	T3	CH <sub>3</sub> C[=N-N(CH <sub>3</sub> ) <sub>2</sub> ]-	F



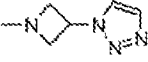



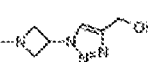



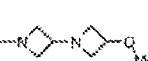



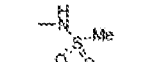




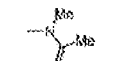
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1040h	T4	$\text{CH}_3\text{C}=\text{N}-\text{N}(\text{CH}_3)_2-$	F
1041a	T1		H
1041b	T1		F
1041c	T2		H
1041d	T2		F
1041e	T3		H
1041f	T3		F
10410g	T4		H

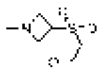

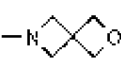
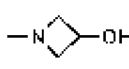
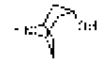
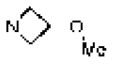
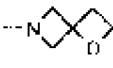
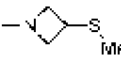
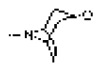
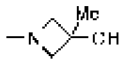
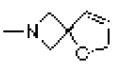
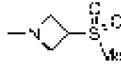

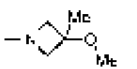

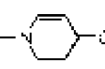

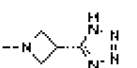

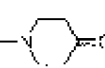




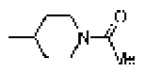

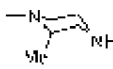

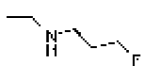







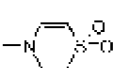


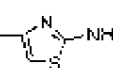




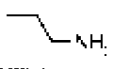






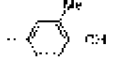

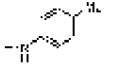

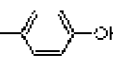
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1042c	T2	$\text{CH}_3\text{C}[\text{=N-OCH}_3]\text{-}$	H
1042d	T2	$\text{CH}_3\text{C}[\text{=N-OCH}_3]\text{-}$	F
1042e	T3	$\text{CH}_3\text{C}[\text{=N-OCH}_3]\text{-}$	H
1042f	T3	$\text{CH}_3\text{C}[\text{=N-OCH}_3]\text{-}$	F
1042g	T4	$\text{CH}_3\text{C}[\text{=N-OCH}_3]\text{-}$	H
1042h	T4	$\text{CH}_3\text{C}[\text{=N-OCH}_3]\text{-}$	F
1043a	T1	$\text{CH}_3\text{OC}(\text{=O})\text{NH-}$	H
1043b	T1	$\text{CH}_3\text{OC}(\text{=O})\text{NH-}$	F
1043c	T2	$\text{CH}_3\text{OC}(\text{=O})\text{NH-}$	H
1043d	T2	$\text{CH}_3\text{OC}(\text{=O})\text{NH-}$	F
1043e	T3	$\text{CH}_3\text{OC}(\text{=O})\text{NH-}$	H
1043f	T3	$\text{CH}_3\text{OC}(\text{=O})\text{NH-}$	F
1043g	T4	$\text{CH}_3\text{OC}(\text{=O})\text{NH-}$	H
1043h	T4	$\text{CH}_3\text{OC}(\text{=O})\text{NH-}$	F
1044a	T1	$\text{CH}_3\text{NHC}(\text{=O})\text{O-}$	H
1044b	T1	$\text{CH}_3\text{NHC}(\text{=O})\text{O-}$	F
1044c	T2	$\text{CH}_3\text{NHC}(\text{=O})\text{O-}$	H
1044d	T2	$\text{CH}_3\text{NHC}(\text{=O})\text{O-}$	F
1044e	T3	$\text{CH}_3\text{NHC}(\text{=O})\text{O-}$	H
1044f	T3	$\text{CH}_3\text{NHC}(\text{=O})\text{O-}$	F
1044g	T4	$\text{CH}_3\text{NHC}(\text{=O})\text{O-}$	H
1044h	T4	$\text{CH}_3\text{NHC}(\text{=O})\text{O-}$	F
1045a	T1	$\text{CH}_3\text{NHC}(\text{=O})\text{NH-}$	H
1045b	T1	$\text{CH}_3\text{NHC}(\text{=O})\text{NH-}$	F
1045c	T2	$\text{CH}_3\text{NHC}(\text{=O})\text{NH-}$	H
1045d	T2	$\text{CH}_3\text{NHC}(\text{=O})\text{NH-}$	F
1045e	T3	$\text{CH}_3\text{NHC}(\text{=O})\text{NH-}$	H
1045f	T3	$\text{CH}_3\text{NHC}(\text{=O})\text{NH-}$	F
1045g	T4	$\text{CH}_3\text{NHC}(\text{=O})\text{NH-}$	H
1045h	T4	$\text{CH}_3\text{NHC}(\text{=O})\text{NH-}$	F
1046a	T1	$\text{CH}_3\text{S}(\text{=O})_2\text{NH-}$	H
1046b	T1	$\text{CH}_3\text{S}(\text{=O})_2\text{NH-}$	F
1046c	T2	$\text{CH}_3\text{S}(\text{=O})_2\text{NH-}$	H
1046d	T2	$\text{CH}_3\text{S}(\text{=O})_2\text{NH-}$	F
1046e	T3	$\text{CH}_3\text{S}(\text{=O})_2\text{NH-}$	H
1046f	T3	$\text{CH}_3\text{S}(\text{=O})_2\text{NH-}$	F
1046g	T4	$\text{CH}_3\text{S}(\text{=O})_2\text{NH-}$	H
1046h	T4	$\text{CH}_3\text{S}(\text{=O})_2\text{NH-}$	F
1047a	T1	$\text{CH}_3\text{NHS}(\text{=O})_2\text{-}$	H
1047b	T1	$\text{CH}_3\text{NHS}(\text{=O})_2\text{-}$	F
1047c	T2	$\text{CH}_3\text{NHS}(\text{=O})_2\text{-}$	H
1047d	T2	$\text{CH}_3\text{NHS}(\text{=O})_2\text{-}$	F
1047e	T3	$\text{CH}_3\text{NHS}(\text{=O})_2\text{-}$	H
1047f	T3	$\text{CH}_3\text{NHS}(\text{=O})_2\text{-}$	F
1047g	T4	$\text{CH}_3\text{NHS}(\text{=O})_2\text{-}$	H
1047h	T4	$\text{CH}_3\text{NHS}(\text{=O})_2\text{-}$	F
1048a	T1	$\text{NH}_2\text{-}$	H
1048b	T1	$\text{NH}_2\text{-}$	F
1048c	T2	$\text{NH}_2\text{-}$	H









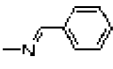

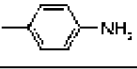













































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1048e	T3	NH <sub>2</sub> -	H
1048f	T3	NH <sub>2</sub> -	F
1048g	T4	NH <sub>2</sub> -	H
1048h	T4	NH <sub>2</sub> -	F
1049a	T1	(CH <sub>3</sub> ) <sub>2</sub> N-	H
1049b	T1	(CH <sub>3</sub> ) <sub>2</sub> N-	F
1049c	T2	(CH <sub>3</sub> ) <sub>2</sub> N-	H
1049d	T2	(CH <sub>3</sub> ) <sub>2</sub> N-	F
1049e	T3	(CH <sub>3</sub> ) <sub>2</sub> N-	H
1049f	T3	(CH <sub>3</sub> ) <sub>2</sub> N-	F
1049g	T4	(CH <sub>3</sub> ) <sub>2</sub> N-	H
1049h	T4	(CH <sub>3</sub> ) <sub>2</sub> N-	F
1050a	T1	(CH <sub>3</sub> ) <sub>3</sub> Si-	H
1050b	T1	(CH <sub>3</sub> ) <sub>3</sub> Si-	F
10450c	T2	(CH <sub>3</sub> ) <sub>3</sub> Si-	H
1050d	T2	(CH <sub>3</sub> ) <sub>3</sub> Si-	F
1050e	T3	(CH <sub>3</sub> ) <sub>3</sub> Si-	H
1050f	T3	(CH <sub>3</sub> ) <sub>3</sub> Si-	F
1050g	T4	(CH <sub>3</sub> ) <sub>3</sub> Si-	H
1050h	T4	(CH <sub>3</sub> ) <sub>3</sub> Si-	F
1051a	T1	(CH <sub>3</sub> O) <sub>3</sub> Si-	H
1051b	T1	(CH <sub>3</sub> O) <sub>3</sub> Si-	F
1051c	T2	(CH <sub>3</sub> O) <sub>3</sub> Si-	H
1051d	T2	(CH <sub>3</sub> O) <sub>3</sub> Si-	F
1051e	T3	(CH <sub>3</sub> O) <sub>3</sub> Si-	H
1051f	T3	(CH <sub>3</sub> O) <sub>3</sub> Si-	F
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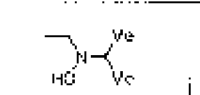
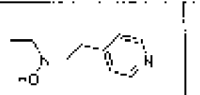


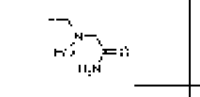
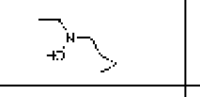
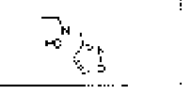
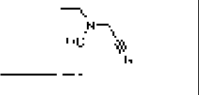
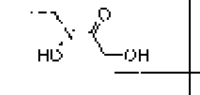

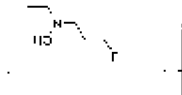

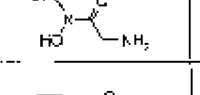
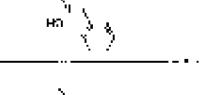
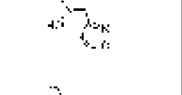

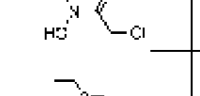


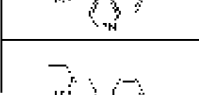


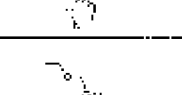
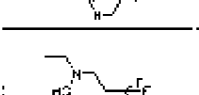

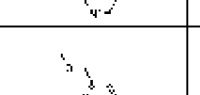





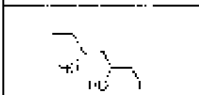
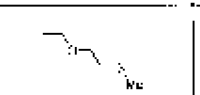
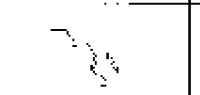






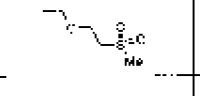

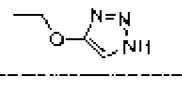
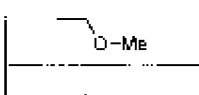
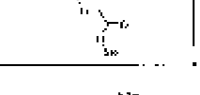

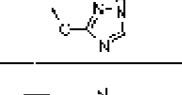

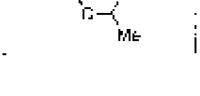
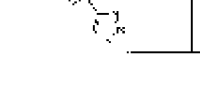
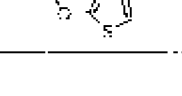
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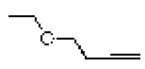



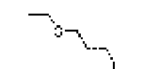
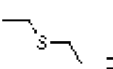


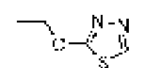
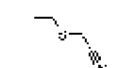






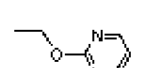




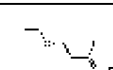



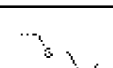


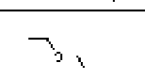
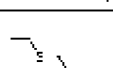


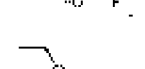
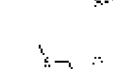







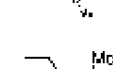



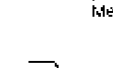


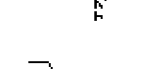



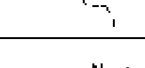
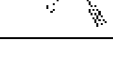


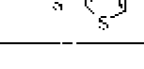



			
			
			
			
			

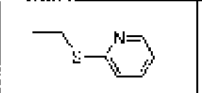
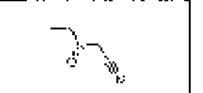


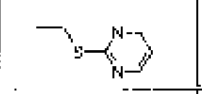
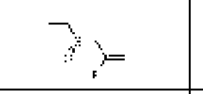


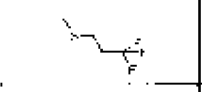
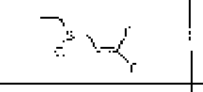

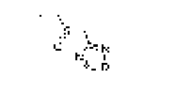
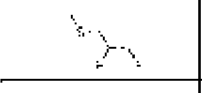
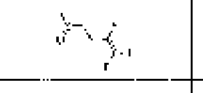


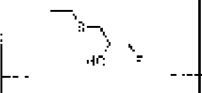
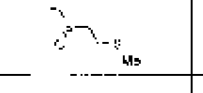







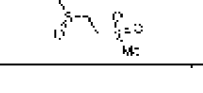
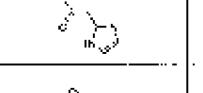
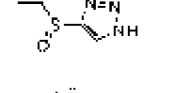

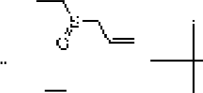

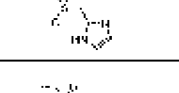
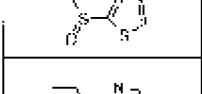

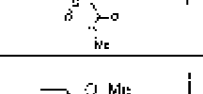



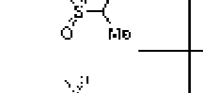

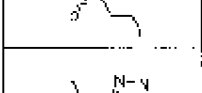

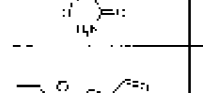

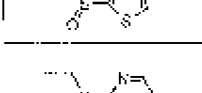


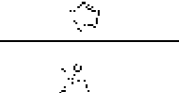
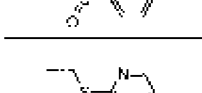
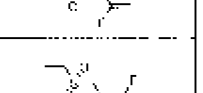


			
			
			
			
			
			
			
			
			
			
			
			
			
			

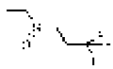
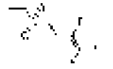


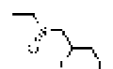
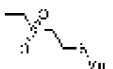






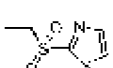

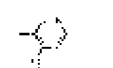
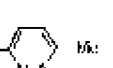



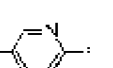



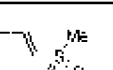
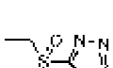
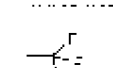
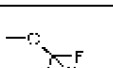
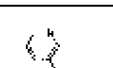
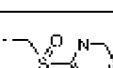
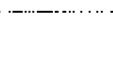
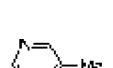

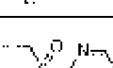
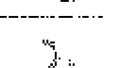

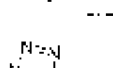
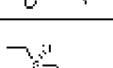
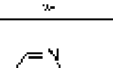
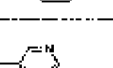
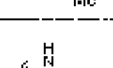
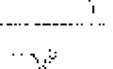
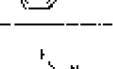
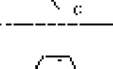

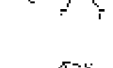




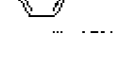
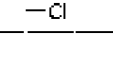
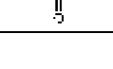
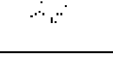
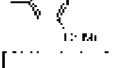
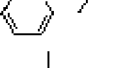
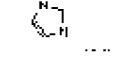

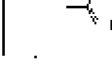


			
			
			
			
			
			
			
			
			
			
			
			
			
			

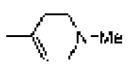
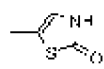





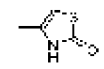
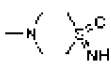

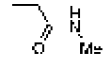
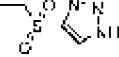

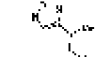


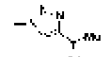


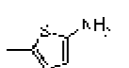
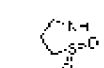




ili njegova farmaceutski prihvatljiva sol, ester, ili njegov N-oksid.

7. Farmaceutski pripravak naznačen time da sadrži spoj prema bilo kojem od zahtjeva 1-6, ili njegovu farmaceutski prihvatljivu sol, ester, ili njegov N-oksid, i farmaceutski prihvatljiv nosač.
- 5 8. Spoj prema bilo kojem od zahtjeva 1-6 ili njegova farmaceutski prihvatljiva sol, ester, ili njegov N-oksid naznačen time da je za uporabu kao lijek.
9. Spoj za uporabu prema zahtjevu 8, ili njegova farmaceutski prihvatljiva sol, ester, ili njegov N-oksid naznačen time da je za liječenje mikrobne infekcije.
- 10 10. Spoj za uporabu prema zahtjevu 8, ili njegova farmaceutski prihvatljiva sol, ester ili njegov N-oksid, naznačen time da je za liječenje gljivične infekcije.
11. Spoj za uporabu prema zahtjevu 8, ili njegova farmaceutski prihvatljiva sol, ester ili njegov N-oksid, naznačen time da je za liječenje parazitske bolesti.
12. Spoj za uporabu prema zahtjevu 8, ili njegova farmaceutski prihvatljiva sol, ester ili njegov N-oksid, naznačen time da je za liječenje proliferativne bolesti.
- 15 13. Spoj za uporabu prema zahtjevu 8, ili njegova farmaceutski prihvatljiva sol, ester ili njegov N-oksid, naznačen time da je za liječenje virusne infekcije.
14. Spoj za uporabu prema zahtjevu 8, ili njegova farmaceutski prihvatljiva sol, ester ili njegov N-oksid, naznačen time da je za liječenje upalne bolesti.
- 20 15. Spoj za uporabu prema zahtjevu 8, ili njegova farmaceutski prihvatljiva sol, ester ili njegov N-oksid, naznačen time da je za liječenje gastrointestinalnog motiliteta.
16. Spoj za uporabu prema bilo kojem od zahtjeva 8 do 15, ili njegova farmaceutski prihvatljiva sol, ester ili njegov N-oksid, naznačen time da uporaba obuhvaća davanje spoja oralno, parenteralno ili lokalno.