

la lb 4 - - 3' - - 3' - - 4' -
 (la) 4 - - N,N - (2 -) - 4' - (lb) .
 [: Anticancer Drug Design(1995), vol. 10, 641 - 653]
 [: US - A - 5,532,218 US - A - 5,496,800] . (chromophore) D
 NA 3' (amino sugar) DNA N -
 la lb

[: Cancer, Principles and Practice of Oncology, Lippincott - Raven Ed. (1997), 417 - 483].
 [: Cancer, Principles and Practice of Oncology, Lippincott - Raven Ed.(1997), 418 - 432].

4 - - 3' - - 3' - - 4' -
 , , la lb
 / ,
 lb 가 lb
 lb / la

" / " la lb
 ,
 " " " " / " " / ,
 la lb ,

50mg/m² , la lb 1
 0.1 200mg/m² ,
 1000mg/m² . 10 500mg/m² . 1

1000mg/m² , , 100 500mg/m² 1 .

가 la lb /

la lb /

/ la lb 가가 가 ,
 가 / 가 ,

1 L1210 la
 + 1, 2) 8mg/kg (ILS%) 2가 (+ 3) 83 가 la 1mg/kg (가 ILS% 125가

la [Cremophor^R/EtOH = 6.5:3.5]/[] = 20/80 v/v]

L1210

		² (mg/kg/)	ILS% ³	Tox ⁴
la	+1,2	1	83	0/10
	+3	8	83	0/10
la +	+1,2 +3	1 +8	125	0/10
1) L1210 (10 ⁵ /) 0 .2) (0) 1 .3) :[() x 100] - 1004) /				

2 A549 la
 3mg/kg (q4dx2) la 1.5mg/kg (q4dx3)
 T.I.% 16 48 la

A549

	2	(mg/kg	T.I.% 3	Tox 4	- N ⁰	T - C ⁵ (days) N ⁰	()
la	q4dx3	1.5	48	0/9	0/9	5	9(14)
	q4x2 ⁶	3	16	0/9	0/9	0	2(18)
la +	q4dx3 + dx2 ⁶ q4	1.5 +22	67	0/9	0/9	12	19(20)
1)	2)	3)	4)	/	5)	; T, la	
	1g	; C,		1g		6)	la
	2						

3 A549 가 la
 22 33mg/kg (+ 9, 13, 17) la 2mg/kg
 (+ 7,11,15) T.I.% 69, 90 93
 가

A549

	2	(mg/k	T.I. % 3	Tox ⁴	- N ⁰	T - C ⁵ N ⁰	% ()
la	+ 7, 11, 15	2	69	0/8	0/8	9	11(13)
	+ 9,13,17	2233	9093	0/80 /8	0/80/8	2729	00
la +	7, 11, 15 + 13,17 9,	2 +22	93	1/8	0/8	35	18(15)
la +	7,11,15 + 3,17 9,1	2 +33	90	0/6	0/6	40	23(22)
1)	2)	3)	4)	/	5)	; T,	
	1g	; C,		1g			

4 H207 가 la
 22 33mg/kg (q4dx3) la 1.5mg/kg
 q4dx3) T.I.% 100, 80 86
 가 (1/7 4/7)가

H207

	2	(mg/kg /)	T.I. % ³	Tox ⁴	- N ⁰	T - C ⁵ N ⁰	% ()
la	q4dx3	1.5	100	0/7	0/7	47	7(15)
	q4dx3 ⁶	2233	8086	0/70 /7	0/70/7	912	03(13)
la +	q4dx3 + q4dx3 ⁶	1.5 +22	100	0/7	1/7	> 71	8(20)
la +	q4dx3 + q4dx3 ⁶	1.5 +33	100	0/7	4/7	> 71	10(16)
1) 1g	2) 2	3) ; C,	4) 1g	/	5) ; T,	6) la	

5 MX1 가 la
 5 10mg/kg (q4dx3) la 0.5 1mg/kg (q4
 dx3) T.I.% 60, 99 46,94 가
 가 (3/8, 5/8 7/8)가

MX1

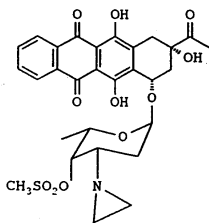
	2	(mg/kg /)	T.I.% ³	Tox ⁴	- N ⁰	TGD ⁵ (lg)	()	
la	8,12,16	0.51	4694	0/80/7	0/81/7	12	05(17)	
	10,14,18	510	6099	0/80/8	0/82/8	142	08(25)	
la	18	8,12,16 10,14,	0.5 + 5	95	0/8	3/8	2	6(17)
		0.5 + 10	96	0/8	5/8	> 78	11(17)	
		1 + 5	98	0/8	7/8	> 78	10(17)	
		1 + 10	98	3/8	5/8	> 78	15(18)	
1) -	2)	3)	4)	/	5) TGD:			

(57)

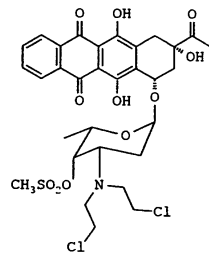
1.

, / , la lb

la



lb



2.

1 , 4 - - 3' - - 3' - - 4' - .

3.

1 2 , .

4.

1 2 , 가 .

5.

/ 1 la lb .

6.

5 , 4 - - 3' - - 3' - - 4' - .

7.

, 1 la lb .

8.

7 , 4 - - 3' - - 3' - - 4' - .

9.

1 .