

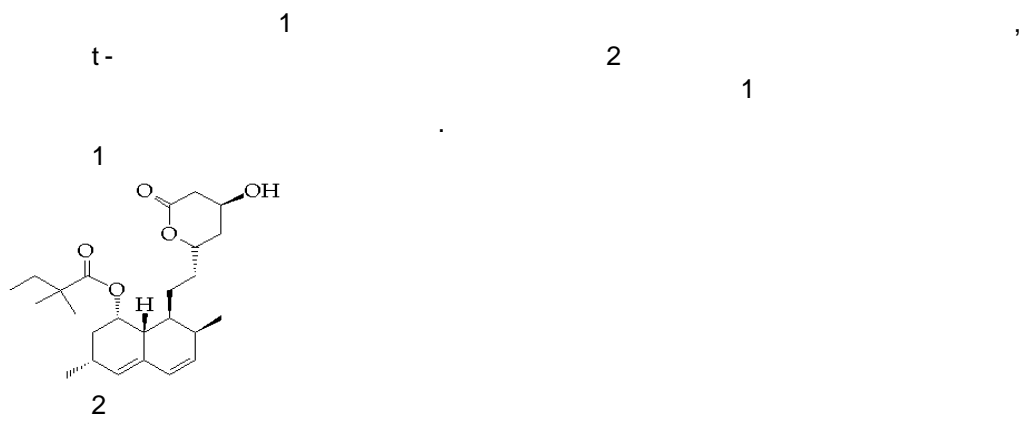
(19)
(12)

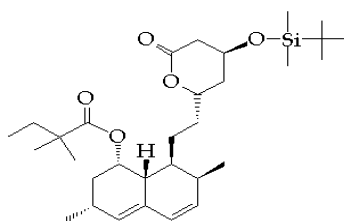
(KR)
(B1)

(51) 。 Int. Cl. ⁷ C07D 309/26		(45) (11) (24)	2004 02 05 10-0417841 2004 01 27
(21)	10-2001-0007124	(65)	10-2002-0066777
(22)	2001 02 13	(43)	2002 08 21

(73)	371 368	
(72)	4446WestBerteauAve.,ChicagoIL60641 - 1097,U.S.A.	
	925 - 7	
	2	1404 - 101
	578	115 - 908
	650	410 - 703
(74)	:	

(54)





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BDMS)

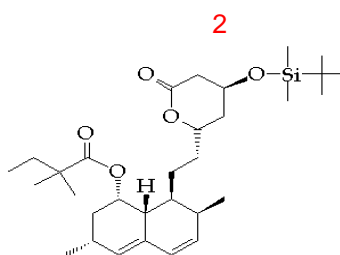
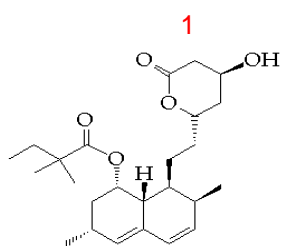
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(Simvastatin) HMG-Co A
가

(Lovastatin)

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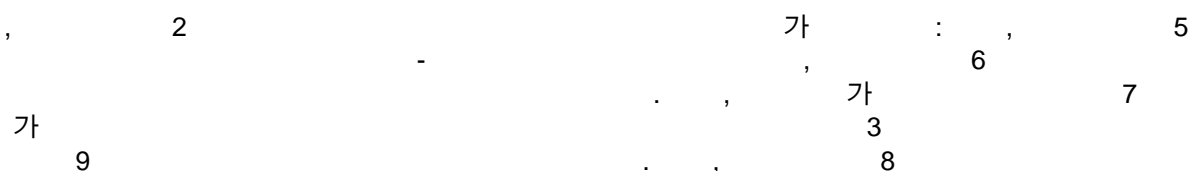
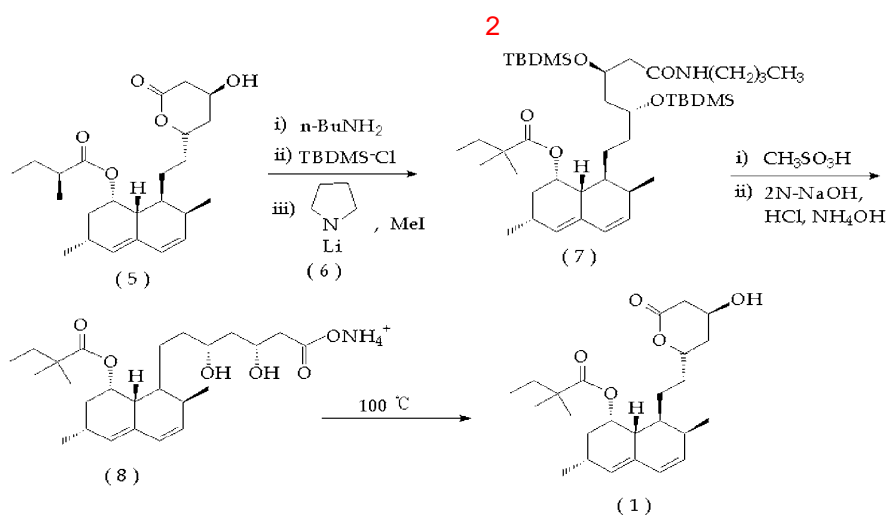
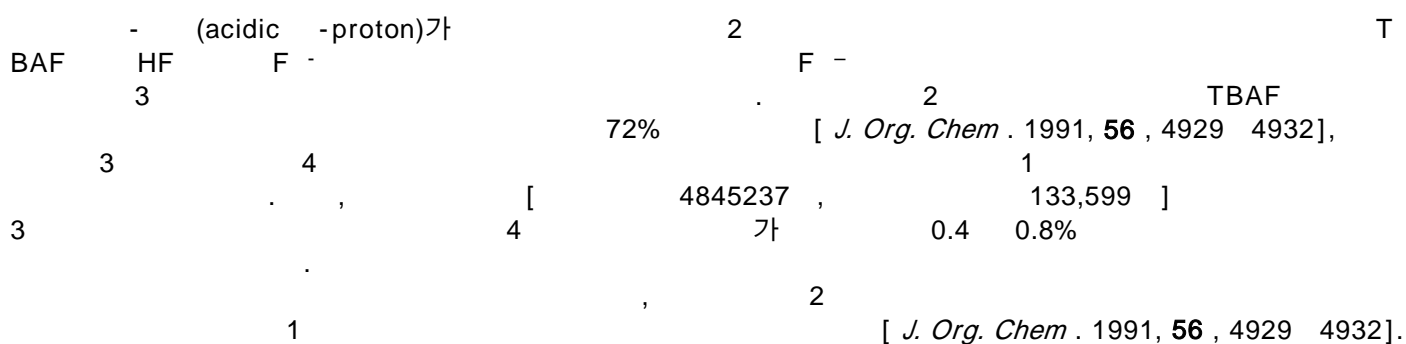
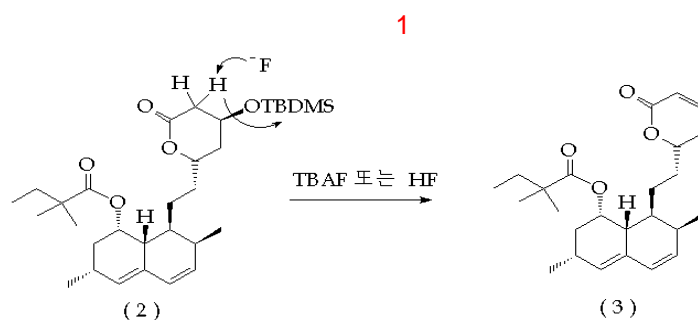
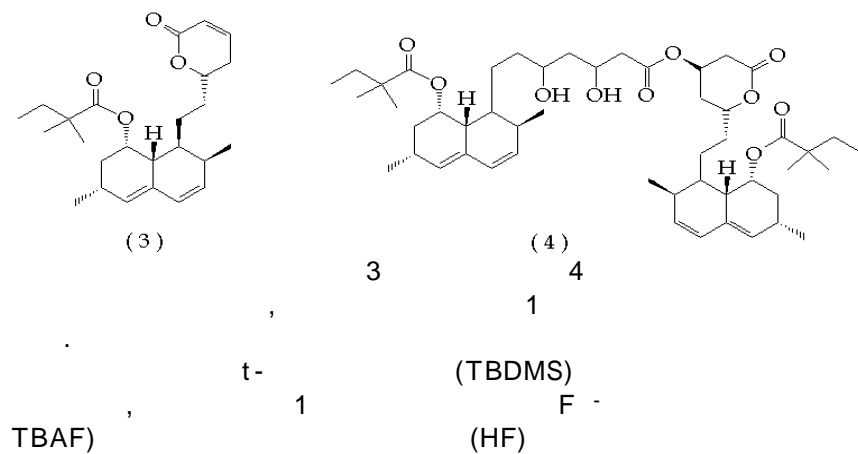
(TBDMS) 가

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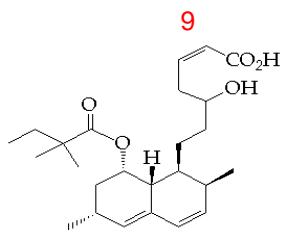
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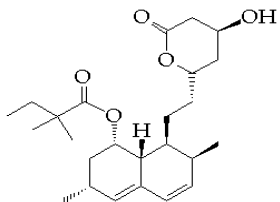
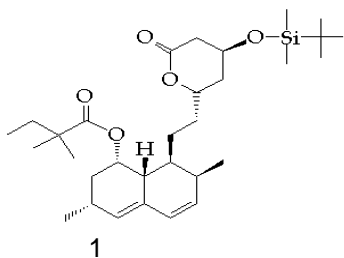
4 1 가 . ,



, 3 가 , 가 4
1 ,
1 1 3 4 1
1 가 .

- (TBDMS) 2 , t
3 1 4
1
1

, 1,4- 2 t- , 1,3-
1



2 1
(92%), (99.5% ; HPLC)
가
10 6 7 2 가 -5
2 1
(, TBDMS 2)

, p- (), p- () 50
3 4
가
5 10 %(v/v)가 6 7 , 1,4- , 1,3-
-5 10
1,4- (0 100 : 100 0)가 1,4-
95 : 5 가
40 60 (99.5%) (92%) , n- 가
가 3 4
2
3 4 , , 3
4 (99.5%, HPLC) (92%) 1
: 2 TBDMS (6.0 g) (48 mL) 1,4- (2.5 m
L) 가 pH 1.5 (3.5 mL) 가 6 (40 mL) , (35 mL)
p- (0.07 g) 가 1
(15 mL) 가 40 60 가 n- (60 mL) 가
1 (50 mL) 가 30
(50 mL) 가 0 2
(99.5%, HPLC) 4.4 g(92%)
134 136 ; IR(KBr) 3552, 1730 1698 cm⁻¹ ; H¹ NMR(CDCl₃, 400MHz) 0.83(t, J=7.57 Hz, 3H),
0.88(d, J=7.0 Hz, 3H), 1.08(d, J=7.4Hz, 3H), 1.12(s, 3H), 1.13(s, 3H) 1.20 1.96(m, 10H), 2.28 2.76(m, 6H)
, 4.37(m, 1H), 4.60(m, 1H), 5.36(m, 1H), 5.98(d, J=9.6 Hz, 1H)
1

[1]

		1)	2)	
	92%	99.5%	5	0.3%
(75%)	-	-	-	
p- (95%)	-	-	-	
HF(50%)	56 67%	82 86%	3	10 % . (50)
TBAF	60 65%	85 92%	3.5	1.6 15% . (26)
(20 50%)	-	-	-	
(20 50%)	-	-	-	
(20 50%)	-	-	-	

(6N-)	40 60%	85%	3	15%	(50)
1) : HPLC	2) : 5(good)	1(bad)			

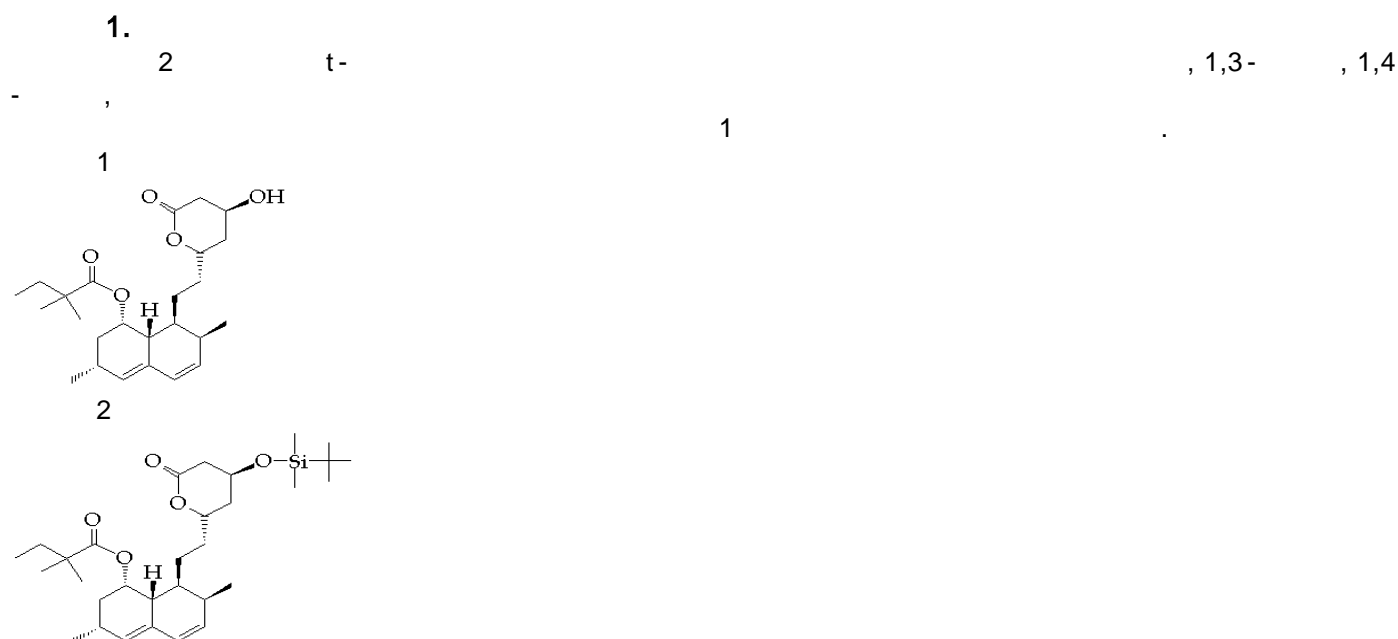
2

[2]

		1)	2)	
V) / 1,4- (95/5, V/	92%	99.5%	5	0.3% (6 7)
	50%	70%	3	5% (10)
	90%	92%	5	2% (3 4)
1,4-	80%	85%	3.5	3% (10)
1,3-	80%	90%	4	5% (10)
1) : HPLC	2) : 5(good)	1(bad)		

F (18) 3 4 t- (TBDMS) TBAF H
가 , 가
(6 7) (92%) 1 (99.5%)
) 1

(57)



2.

1 , 가 1,4-

3.

1 , 40 60 ,
n- 가 .