

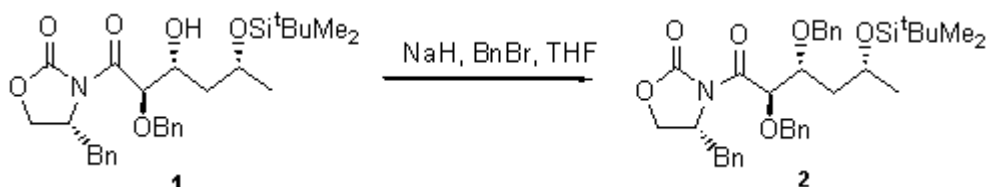
Molecules **2000**, *5*, M137

(4*R*,2'*R*,3'*R*,5'*R*)-3-[5-(*tert*-Butyldimethylsilyloxy)-1-oxo-2,3-bis(phenylmethoxy)hexyl]-4-(phenylmethyl)-2-oxazolidinone

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To a suspension of sodium hydride (5.9 mg, 60% in oil, 0.15 mmol) in tetrahydrofuran (0.34 ml) which contained a few drops of *N,N*-dimethylformamide, under nitrogen at 0°C, was added alcohol **1** (65 mg, 0.11 mmol) [1] in tetrahydrofuran (1.7 ml). The resultant solution was stirred at 0°C for 1 h. Benzyl bromide (0.016 ml, 0.14 mmol) was added and the reaction mixture warmed to room temperature and stirred for 2 h. The reaction mixture was quenched with sodium dihydrogen phosphate (5 ml, 10 % w/v), extracted with ethyl acetate (3 x 15 ml), washed with water (15 ml) and dried over magnesium sulfate. Removal of the solvent under reduced pressure gave a yellow oil which was purified by flash chromatography using light petroleum-ethyl acetate (9:1) as eluent afforded the title compound **2** (27 mg, 35%) as a colourless oil.

$[\alpha]_D -39.65$ (c 0.315, CHCl₃).

¹H NMR (400 MHz, CDCl₃): 0.04 (6H, s, SiMe₂), 0.88 (9H, s, Bu^t), 1.13 (3H, d, *J*_{6',5'} 6.1 Hz, H6'), 2.25-2.36 (2H, m, H4'), 2.87 (2H, d, *J*_{1'',4} 7.3 Hz, CHCH₂Ph), 3.36-3.39 (2H, m, H5), 3.80-3.89 (1H, m, H5'), 4.25-4.29 (1H, m, H4), 4.44 (1H, d, *J*_{gem} 11.5 Hz, 3'-OCH^APh), 4.49 (1H, d, *J*_{gem} 11.5 Hz, 3'-OCH^BPh), 4.59 (1H, d, *J*_{gem} 11.5 Hz, 2'-OCH^APh), 4.64 (1H, d, *J*_{gem} 11.5 Hz, 2'-OCH^BPh), 6.31 (1H, t, *J* 7.6 Hz, H3'), 6.78 (1H, d, *J*_{2',3'} 8.8 Hz, H2'), 7.12-7.36 (15H, m, Ph).

EI-MS: 617 (M⁺, 1%), 568 (52), 500 (24), 472 (M-C₇H₁₈OSi, 5), 434 (M-CH₃Ph-CH₃Ph, 9), 325 (M-C₁₇H₂₉O₂Si, 51), 159 (C₈H₁₉OSi, 54), 91 (CH₂Ph, 100), 73 (75).

Anal. calc. for C₃₆H₄₇NO₆Si M⁺ (EI), 617.3173; found M⁺, 617.3171.

Reference

1. Brimble, M. A.; Park, J. S. O. *J. Chem. Soc. Perkin Trans. I* **2000**, 697-709.

Sample availability: available from the authors.

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