antibiotics
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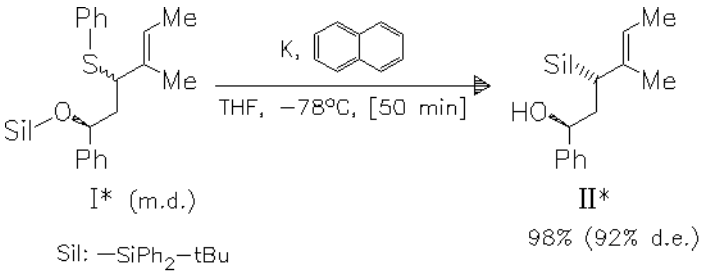
Approaching the C_{33}–C_{38} Fragments of Amphotericin B and Nystatin by a Retro-[1,4]-Brook Rearrangement and the Stereoselective Manipulation of the Resulting Allylsilane. — Retro-Brook rearrangement of the sulfide (I) followed by careful hydroboration of the resulting allylsilane (II) provides the alcohol (III), a key intermediate to the cyclic alcohol (IV). The latter represents the OH-epimer of the C_{33} to C_{38} fragments of clinically important antimycotics amphotericin B and nystatin. — (GIBSON, C.; BUCK, T.; WALKER, M.; BRUECKNER, R.; Synlett (1998) 2, 201-205; Inst. Org. Chem., Georg-August-Univ., D-37077 Goettingen, Germany; EN)

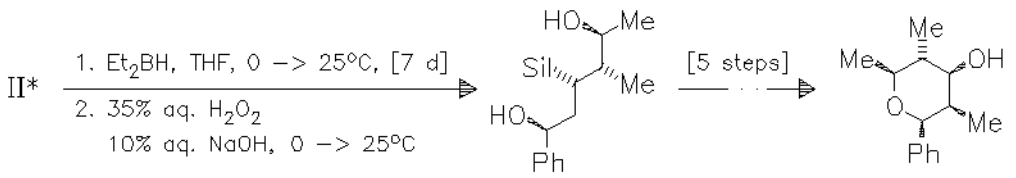


I* (m.d.)

Sil: —$SiPh_2$—tBu

II*

98% (92% d.e.)



III* 85%

IV*