1997 oxirane derivatives

oxirane derivatives

R 0030 49 - 126 Diastereoselective Epoxidation of Allylic Alcohols by t-Butyl Hydroperoxide/Zeolites System. — Selective epoxidation of unsaturated alcohols is promoted by commercial zeolites (mol. sieves). — (PALOMBI, L.; BONADIES, F.; SCETTRI, A.; Tetrahedron 53 (1997) 33, 11369-11376; Dip. Chim., Univ. Salerno, I-84081 Baronissi, Salerno, Italy; EN)

R5 OH R3
$$\frac{A), 40-45^{\circ}C}{[-> a] [72 h]}$$
 R5 OH R5 OH R5 OH R7 $\frac{R^5 \text{ OH}}{[-> b] [48 h]}$ III $\frac{R^5 \text{ OH}}{[-> c] [18 h]}$ IV V

a R3: -Pen; R4. R5: -H 23% (76:24) b R3: -(CH₂)₇-Me; R4: -Et; R5: -H 81% (66:34) e R3, R4, R5: -Me 50% (18:82)

VIII IX 53% HO OH
$$H_2^{C}$$
 A), 45°C H_2^{C} A), 55°C H_2^{C} A) A 0, 55°C A 1, 55°C A 2, 55°C A 3, 55°C A 4, 55°C A 4, 55°C A 5, 55°C A 5, 55°C A 6, 55°C A 6, 55°C A 7, 55°C A 8, 55°C A 8, 55°C A 9, 55°C

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