

WEEKLY NEWS



Selected Abstracts in Chemistry

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Concise Information at a Glance

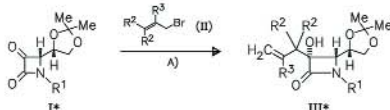
Azetidine derivatives

Azetidine derivatives

R 0045

41-109

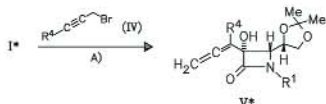
New Aspects of the Indium Chemistry of Carbonyl- β -lactams. — The reactions of azetidine-2,3-diones (I) and the related aldehyde (VIII) with stabilized organo-indium reagents in aqueous media are described. — (ALCAIDE*, B.; ALMENDROS, P.; ARAGONCILLO, C.; RODRIGUEZ-ACEBES, R.; *Synthesis* 2003, 8, 1163-1170; Dep. Quim. Org., Fac. Cienc. Quim., Univ. Complutense, E-28040 Madrid, Spain; Eng.) — Mais



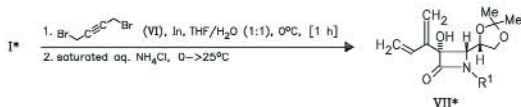
a R¹: -Pmp; R², R³: -H 73%
 b R¹: -CH₂-CH=CH₂; R²: -Me; R³: -H 80%
 c R¹: -CH₂-C≡CH; R²: -H; R³: -COOH 99%

Pmp:

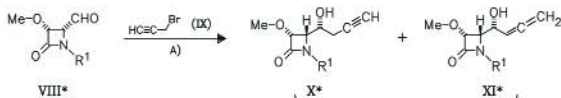
A): In, saturated aq. NH₄Cl, THF, 0°C, [up to 3 h]



a R¹: -Pmp; R⁴: -Me 74%
 b R¹: -CH₂-CH=CH₂; R⁴: -Ph 62%
 c R¹: -CH₂-C≡CH; R⁴: -Ph 48%



a 54%
 b 62%
 c 38%



a 74% (80:20)
 b 72% (55:45)
 c 65% (57:43)

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detailed reaction schemes and sequences



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