

cyclopropane derivatives

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Highly Stereoselective Nucleophilic Addition to Cyclopropyl Carbonyls: The Facial Selectivity in the Cyclopropyl Ketones is Opposite to That in the Corresponding Aldehyde.

— Nucleophilic addition of Grignard reagents (II) to the cyclopropylcarbaldehyde (I) proceeds highly stereoselectively. In contrast, the stereoselectivity of hydride reduction of the corresponding ketones (V) is almost completely reversed using a nucleophilic or an electrophilic reducing agent. — (ONO, S.; SHUTO, S.; MATSUDA, A.; Tetrahedron Lett. 37 (1996) 2, 221-224; Fac. Pharm. Sci., Hokkaido Univ., Kita, Sapporo 060, Japan; EN)

