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Lanthanide Metals: Sm⁰ Cyclopropanation of Allylic Alcohols THF, -78 oC to rt 98% d.r. >200:1 d.r. >200:1 Exo: Endo Sm / CH₃CHI₂ Et₂Zn / CH₃CHI₂ 5:1 1.6:1 Using samarium, only olefin with allylic hydroxyl group is cyclopropanated Samarium offers enhanced diastereoselectivity over conventional reagents 99% 99% EvansChem. Rev. 1993, 93, 1307.

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