

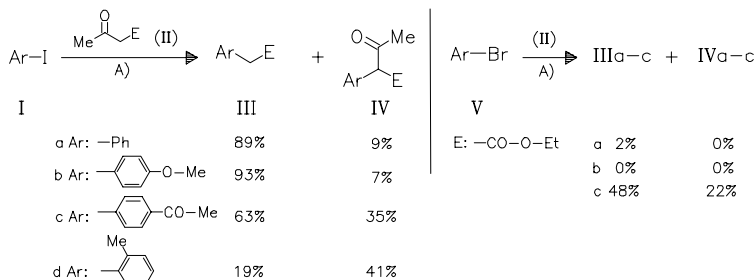
Carboxylic acid esters

Q 0530

33- 078

Copper(I) Iodide Catalyzed Arylation of Acetoacetate to Yield 2-Arylacetic Acid

Esters. — Ethyl acetoacetate and aryl iodides undergo a facile reaction in the presence of CuI to give arylated acetoacetate esters. The latter are deacylated under the reaction conditions to yield 2-arylacetic acid esters. — (ZEEVAART, J. G.; PARKINSON*, C. J.; DE KONING, C. B.; *Tetrahedron Lett.* 48 (2007) 18, 3289-3293; *Discovery Chem.*, CSIR, Biosci., Modderfontein 1645, S. Afr.; Eng.) — Mais

A): K₂CO₃, CuI (cat.), DMSO, 80°C, [20 h]