

Abstracts

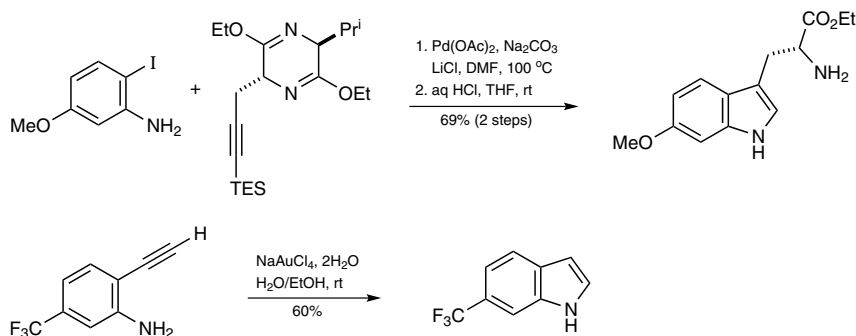
2010

p 1

10.13 Product Class 13: Indole and Its Derivatives

J. A. Joule

This manuscript thoroughly updates the previous *Science of Synthesis* review of indole synthetic chemistry for the period 1999 to mid-2010. New and modified ring synthesis routes and new reactions of preformed indoles are discussed with an emphasis on processes that are efficient.



Keywords: indole · 1,3-dihydro-2*H*-indole (oxindole) · 1,2-dihydro-3*H*-indol-3-one (indoxyl) · 1*H*-indole-2,3-dione (isatin) · 2,3-dihydro-1*H*-indole (indoline) · *o*-alkynylarylamines · *o*-haloarylamines · Fischer synthesis · palladium-catalyzed cross coupling · indolyllithiums · indolylboronic acids · indolylstannanes · N-arylation.

2010 Updated Section · 2010 Completely Revised Contributions · New New Contributions