

other bioactive products

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Selective Functionalization of 1,2-Dihydronaphthalenols Leads to a Concise, Stereoselective Synthesis of Sertraline.

— A novel synthetic approach to the antidepressant sertraline (IX) is presented, involving the arylation of brominated silyl-protected optically active dihydronaphthalenol (III) via Stille coupling. Reduction of the desilylated coupling product (V) proceeds with high diastereoselectivity to furnish the anti-aryltetrahydronaphthalenol (VI), which can be transformed to sertraline (IX) by an azide formation–reduction–carbamate formation–reduction sequence. — (LAUTENS, MARK; ROVIS, TOMISLAV; Tetrahedron 55 (1999) 29, 8967-8976; Dep. Chem., Univ. Toronto, Toronto, Ont. M5S 3H6, Can.; EN)

