

Indole derivatives

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Synthesis of 7-Alkoxy/Hydroxy- α -methyltryptamines. — A simple method for the synthesis of the title α -methyltryptamines (VI) involving the Japp—Klingemann coupling of piperidone-3-carboxylic acids with aryldiazonium salts (III) and subsequent Fischer-type cyclization of the hydrazones (IV) thus obtained as the key steps is developed. Tryptamine derivative (VIb) is further converted to indole (VII), which is an important starting material for the synthesis of the β_3 -adrenoceptor agonist AD-9677. — (DUBASH, N. P.; MANGU, N. K.; SATYAM*, A.; *Synth. Commun.* 34 (2004) 10, 1791-1799; Quest Inst. Life Sci., Nicholas Piramal India Ltd., Bombay 400 063, India; Eng.) — H. Toeppel

