

dioxole derivatives

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Henry Condensation Under High Pressure. Part 1. Synthesis of 1-(3,4-Methylenedioxyphenyl)-2-nitro-1-butene and Improved Synthesis of 1-(3,4-Methylenedioxyphenyl)-2-methylaminobutane.

The condensation reaction of piperonal (I) with nitropropane (II) to produce the nitrobutenylbenzodioxole (III) according to Henry is studied in detail. Enhanced yields are obtained, using high pressure conditions. (III) is transformed into the methylaminobutyl derivative (V) which has psychopharmacologic activity. — (AGAFONOV, N. E.; SEDISHEV, I. P.; ZHULIN, V. M.; *Izv. Akad. Nauk SSSR, Ser. Khim.* (1990) 4, 829-832; *Inst. org. khim. im. Zelinskogo AN SSSR, Moskva, USSR; RU*)

