

Chem. Abs. 55, 14350e (1961)

Preparation of DL-1-(3,4-methylenedioxyphenyl)-2-(methylamino)propane and DL-1-(3,4-dimethoxyphenyl)-2-(methylamino)propane. Stanisław Biniecki and Edmund Krajewski (Akad. Med., Warsaw). *Acta Polon. Pharm.* 17, 421-5 (1960) (in Polish).—Safrole (5.3 g.) added dropwise at 0° to 21 g. 70% HBr, the mixt. left 14 hrs. at 0°, poured on ice, extd. with Et₂O, and the ext. distd. *in vacuo* yielded 97% 3,4-CH₂O₂C₆H₃CH₂CHBrMe (I), n_{D}^{24} 1.5634. Analogously, 5.73 g. 4-allylveratrole with 18.6 g. 70% HBr gave 81% 3,4-(MeO)₂C₆H₃CH₂CHBrMe (II), n_{D}^{18} 1.5605. I (4.7 g.) with 26 g. 18.2% alc. MeNH₂ heated 3 hrs. at 130°, the solvent and excess amine distd., the residue acidified with HCl to Congo red, extd. with 30 ml. Et₂O to remove unchanged I, the aq. layer treated with 10 g. K₂CO₃, extd. with Et₂O, and the exts. distd. gave 1.4 g. 3,4-CH₂O₂C₆H₃CH₂CHMeNHMe, n_{D}^{19} 1.5311, after 1.9 g. I was recovered; hydrochloride m. 148-9°. Similarly, 7.2 g. II and 22.5 g. MeNH₂ after 10 hrs. at 140° and similar working up (NaOH used instead of K₂CO₃ and CHCl₃ substituted for Et₂O in the last extn.) gave 2.35 g. 3,4-(MeO)₂C₆H₃CH₂CHMeNHMe, n_{D}^{23} 1.5265; prepn. of the hydrochloride, m. 114-19°, was not successful unless the base was purified via the perchlorate, m. 180-1°.

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