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ynthesis of novel 1H-benzo[b][1,4]diazepine derivatives변석인 · 김지은 · 서지연 · 송현애 · 김윤영 · 박유미 · 정대일¹ · 한정태²¹동아대학교 화학과²영동대학교 화학과

Diazepam and nitrazepan are anticonvulsants and flurazepam is both an antianxiety agent and a potent hypnotic. In addition to the 1,4-benzodiazepines, 5-aryl-1,5-benzodiazepines have also recently been used. They possess a activity spectrum similar to the 5-aryl-1,4-benzodiazepines.

Treatment of diaminopyridine with heteroaromatic-ketones afforded 1H-benzo[b][1,4]diazepines. So we report the reactions of diaminopyridine and heteroaromatic-ketones (2-acetylfuran, 2-acetylthiophene, 2-acetyl-1-methylpyrrole or 4-acetylpyridine) with PPA (or HCl).