

Antimicrobial activity

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Synthesis and Evaluation of Anticonvulsant and Antimicrobial Activities of 3-Hydroxy-6-methyl-2-substituted 4H-Pyran-4-one Derivatives. — Title compounds (I) are prepared by Mannich reaction of allomaltol with substituted piperazine derivatives. Their anticonvulsant activities are determined in vivo by maximal electroshock (MES), subcutaneous Metrazo (scMet), and rotorod toxicity tests for neurological deficits. The antimicrobial activities of the new compounds are investigated in vitro against some bacteria and fungi using the microdilution broth method. —

(AYTEMIR*, M. D.; CALIS, U.; OEZALP, M.; Arch. Pharm. (Weinheim, Ger.) 337 (2004) 5, 281-288; Dep. Pharm. Chem., Fac. Pharm., Hacettepe Univ., TR-06100 Ankara, Turk.; Eng.) — H. Haber

