

3,4-Dihydro-2H-1,4-benzoxazine-2-acetates 及び関連化合物の合成

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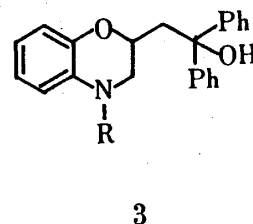
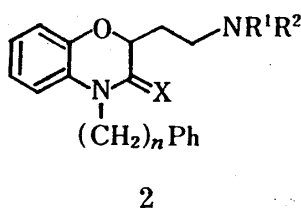
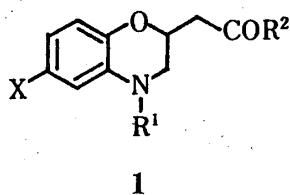
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Syntheses of 3,4-Dihydro-2H-1,4-benzoxazine-2-acetates and Related Compounds

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ABSTRACT: 3,4-Dihydro-2H-1,4-benzoxazine-2-acetates(1), which are cyclic GABA and/or GABOB analogs, were synthesized by the intramolecular Michael addition of 4-(2-hydroxyanilino)-2-butenates in good yields. Other 2-substituted 2H-1,4-benzoxazine analogs (2 and 3) were also prepared in order to examine the biological activities. Among the compounds synthesized in this work, some showed anxiolytic and anticonvulsant activities.

抄録 GABAあるいはGABOBの環状類似体と考えられる3,4-dihydro-2H-1,4-benzoxazine-2-acetates (1)が、4-(2-hydroxyanilino)-2-butenatesの分子内Michael付加反応によって好収率で合成された。2及び3のような関連化合物も薬理活性を検討するために合成された。薬理試験の結果、いくつかの化合物に抗不安及び抗けいれん作用が認められた。



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