

Product Data Sheet

Product Name: 1'-hydroxy Bufuralol

Cat. No.: GC18457

Chemical Properties

Cas. No. 57704-16-2

Chemical Name α 2-[[[(1,1-dimethylethyl)amino]methyl]- α 7-methyl-2,7-benzofurandimethanol

SMILES CC(O)C1=C(OC(C(O)CNC(C)(C)C)=C2)C2=CC=C1

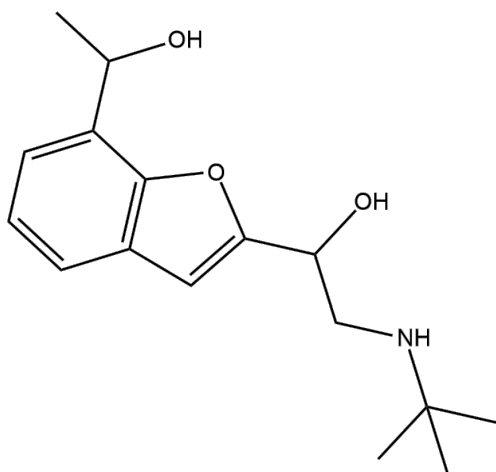
Formula $C_{16}H_{23}NO_3$ M.Wt 277.4

Solubility Chloroform: Soluble, Methanol: Slightly soluble Storage Store at -20°C

General tips For obtaining a higher solubility, please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution: ship with blue ice All other available size: ship with RT, or blue ice upon request.

Structure



Background

1'-hydroxy Bufuralol is a metabolite of bufuralol. Bufuralol is metabolized by the cytochrome P450 isoforms 2D1 and 2D2 (CYP2D1/2); therefore, quantification of the bufuralol metabolite, 1'-hydroxy bufuralol, can be used to determine CYP2D1/2 enzyme activity in humans and rats.

Caution: Product has not been fully validated for medical applications. For research use only.

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