
Product Data Sheet

Product Name: (±)-Befunolol

Cat. No.: GC32523

Chemical Properties

Cas. No. 39552-01-7

SMILES CC(C1=CC2=CC=CC(OCC(O)CNC(C)C)=C2O1)=OFormula $C_{16}H_{21}NO_4$ M.Wt 291.34

Solubility Soluble in DMSO 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**

(±)-Befunolol is a β -adrenoceptor blocking agent.

A β -adrenoceptor blocking agent, Befunolol, is found to has intrinsic sympathomimetic activities in isolated right atria, trachea and taenia caecum of guinea pig (intrinsic activities are 0.22-0.28). The pD₂-values of Befunolol estimated in the isolated organs are significantly different from its pA₂-values against isoprenaline. Befunolol interacts with the beta-adrenoceptor where there may be two different sites: one site for agonistic action and the other for competitive antagonistic action. The intrinsic activity of Befunolol may be equal to its selectivity for both the sites[1].

[1]. Takayanagi I, et al. A beta-adrenoceptor blocking agent, befunolol as a partial agonist in isolated organs. Gen Pharmacol. 1985;16(3):265-7.

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

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