

Product Data Sheet

Product Name: Toliprolol

Cat. No.: GC79265

Chemical Properties

Cas. No. 2933-94-0

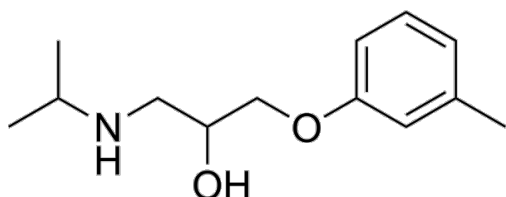
Formula $C_{13}H_{21}NO_2$ M.Wt 223.31

Solubility DMSO: ≥ 100 mg/mL (447.81 mM) 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

Toliprolol is a β_1/β_2 -selective β -adrenergic Receptor antagonist. Toliprolol is used in the research of angina pectoris and hypertension [1].

In Vitro, Toliprolol (Compound 4d) acts as a β_1 -adrenergic receptor antagonist in isolated guinea pig left atria, with a pA_2 value of 8.75 [1]. Toliprolol acts as a β_2 -adrenergic receptor antagonist in isolated guinea pig tracheal chains, with a pA_2 value of 7.94 and a β_1/β_2 selectivity ratio of 6.5 [1].

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

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References:

[1]. Mauleón D, et al. Synthesis and beta-adrenergic antagonism of 2-(aryloxy)-1-(2-piperidyl)ethanols. J Med Chem. 1988;31(11):2122-2126.

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