

Product Data Sheet

Product Name: (R)-(+)-Atenolol

Cat. No.: GC38229

Chemical Properties

Cas. No. 56715-13-0

SMILES O=C(N)CC1=CC=C(OC[C@H](O)CNC(C)C)C=C1

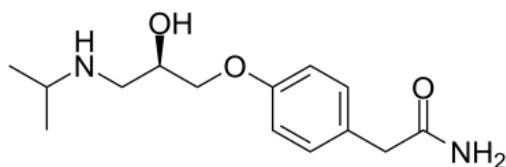
Formula $C_{14}H_{22}N_2O_3$ M.Wt 266.34

Solubility DMSO: ≥ 100 mg/mL (375.46 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

(R)-(+)-Atenolol is the less active enantiomer of the (R,S)-atenolol. (R,S)-atenolol is a β -adrenergic receptor antagonist[1][2].

[1]. Batra S, et al. Bioassay, determination and separation of enantiomers of atenolol by direct and indirect approaches using liquid chromatography: A review. Biomed Chromatogr. 2018 Jan;32(1). [2]. Stoschitzky K, et al. Stereoselective features of (R)- and (S)-atenolol: clinical pharmacological, pharmacokinetic, and radioligand binding studies. Chirality. 1993;5(1):15-9.

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

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