

Product Data Sheet

Product Name: Salmeterol (GR33343X)

Cat. No.: GC30092

Chemical Properties

Cas. No. 89365-50-4

SMILES OC1=CC=C(C(C(O)CNCCCCCOC(CCC2=CC=CC=C2)C=C1)CO

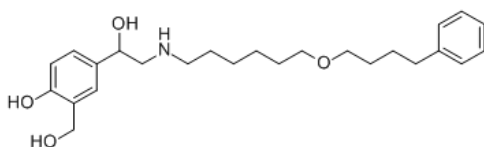
Formula $C_{25}H_{37}NO_4$ M.Wt 415.57

Solubility DMSO : ≥ 100 mg/mL (240.63 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

Salmeterol is a long-acting beta2-adrenergic receptor (beta 2AR) agonist used clinically to treat asthma. Target: beta2-Adrenergic Receptor. Salmeterol is a long-acting beta2-adrenergic receptor agonist drug that is prescribed for the treatment of asthma and chronic obstructive pulmonary disease (COPD). salmeterol also binds with very high affinity at a second site, termed the "exosite", and that this exosite contributes to the long duration of action of salmeterol [1].

[1]. Rong, Y., et al., Probing the salmeterol binding site on the beta 2-adrenergic receptor using a

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

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novel photoaffinity ligand, [(125)I]iodoazidosalmeterol. Biochemistry, 1999. 38(35): p. 11278-86.

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