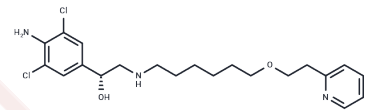


Picumeterol

Chemical Properties

CAS No. :	130641-36-0
Formula:	C ₂₁ H ₂₉ Cl ₂ N ₃ O ₂
Molecular Weight:	426.38
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year Actual storage temperature shall be subject to the COA.



Biological Description

Description	Picumeterol(GR 114297A) is a potent and selective β_2 adrenergic receptor agonist. In vitro and in vivo trials, Picumeterol produced long-lasting airway smooth muscle relaxation. Picumeterol is a pure R enantiomer that can be used to improve lung function and reduce airway hyperreactivity in patients with asthma.
Targets(IC50)	Others,Adrenergic Receptor

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.3453 mL	11.7266 mL	23.4533 mL
5 mM	0.4691 mL	2.3453 mL	4.6907 mL
10 mM	0.2345 mL	1.1727 mL	2.3453 mL
50 mM	0.0469 mL	0.2345 mL	0.4691 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

- Barrow A, et al. Kinetics and disposition of picumeterol in animals. *Xenobiotica*. 1995 Sep;25(9):993-1007.
Weersink EJ, et al. Picumeterol: dissociation of improvement in lung function and reduction of airways hyperresponsiveness in asthmatics. *Br J Clin Pharmacol*. 1997 Feb;43(2):169-76.

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