

## Picumeterol FA

## Chemical Properties

CAS No. :

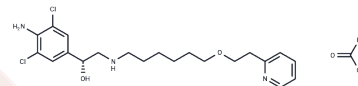
Formula: C<sub>22</sub>H<sub>31</sub>Cl<sub>2</sub>N<sub>3</sub>O<sub>4</sub>

Molecular Weight: 472.4

Storage:

Pure form: -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 FA is a potent and selective $\beta_2$ -adrenergic receptor agonist. In in vitro and in vivo tests, picumeterol FA produces long-lasting airway smooth muscle relaxation. picumeterol FA is a pure R-enantiomer and can be used to improve lung function and reduce airway hyperresponsiveness in patients with asthma.
Targets(IC50)	Adrenergic Receptor

## Solubility Information

Solubility	DMSO: 50 mg/mL (105.84 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.1169 mL	10.5843 mL	21.1685 mL
5 mM	0.4234 mL	2.1169 mL	4.2337 mL
10 mM	0.2117 mL	1.0584 mL	2.1169 mL
50 mM	0.0423 mL	0.2117 mL	0.4234 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

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.

Barrow A, et al. Kinetics and disposition of picumeterol in animals. Xenobiotica. 1995 Sep;25(9):993-1007.

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