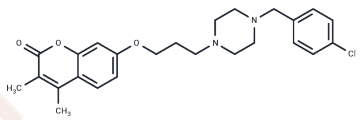
Data Sheet (Cat.No.T68128)

TargetMol

Picumast

Chemical Properties



CAS No. : 39577-19-0

Formula: C25H29ClN2O3

Molecular Weight: 440.96

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	Picumast shows antiallergic activity and can be utilized in the treatment of asthma. Picumast may be used in the treatment of therapeutic allergic airway diseases.
Targets(IC50)	Others
In vivo	Picumast dihydrochloride (2.5 mg; aerosol; allergic sheep; n = 7) gave 48% and 55% (both p less than 0.05) protection against early and late airway responses, respectively. [1] Picumast dihydrochloride (5 mg; aerosol; allergic sheep; n = 7) gives 63% protection against the early response and 81% against the late response.[1]

Solubility Information

Solubility	DMSO: 3.23 mg/mL (7.32 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.2678 mL	11.3389 mL	22.6778 mL
5 mM	0.4536 mL	2.2678 mL	4.5356 mL
10 mM	0.2268 mL	1.1339 mL	2.2678 mL
50 mM	0.0454 mL	0.2268 mL	0.4536 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

Abraham WM. Effect of picumast dihydrochloride on antigen-induced early and late airway responses in allergic sheep. Arzneimittelforschung. 1989;39(10A):1328-1331.
Wittenbrink-Dix AM, et al. Study of potential kinetic interactions of picumast dihydrochloride and theophylline in vitro and after oral administration in man. Arzneimittelforschung. 1989;39(10A):1339-1343.
Roesch A, et al. Antiallergic activity of picumast dihydrochloride in several animal species. Arzneimittelforschung. 1989;39(10A):1310-1316.
Besenfelder E, et al. Metabolism of picumast after administration of picumast dihydrochloride and antiallergic activity of the main metabolites. Arzneimittelforschung. 1989;39(10A):1317-1320.
Franke W, et al. Double-blind multicenter controlled clinical study comparing the efficacy of picumast dihydrochloride versus astemizole and placebo in patients with seasonal allergic rhinitis. Arzneimittelforschung. 1989;39(10A):1360-1363.

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