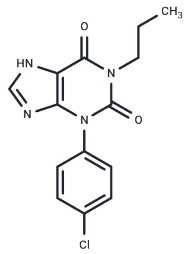
Data Sheet (Cat.No.T9816)

TargetMol

Arofylline

Chemical Properties



CAS No. : 136145-07-8

Formula: C14H13ClN4O2

Molecular Weight: 304.73

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	Arofylline (LAS 31025) is a PDE4 inhibitor and can be used for asthma studies.
Targets(IC50)	PDE

Solubility Information

Solubility	DMSO: 55 mg/mL (180.49 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.2816 mL	16.408 mL	32.8159 mL
5 mM	0.6563 mL	3.2816 mL	6.5632 mL
10 mM	0.3282 mL	1.6408 mL	3.2816 mL
50 mM	0.0656 mL	0.3282 mL	0.6563 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

Chorostowska-Wynimko J, Kus J, Skopińska-Rózewska E. Theophylline inhibits free oxygen radicals production by human monocytes via phosphodiesterase inhibition. J Physiol Pharmacol. 2007;58 Suppl 5(Pt 1):95-103.

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