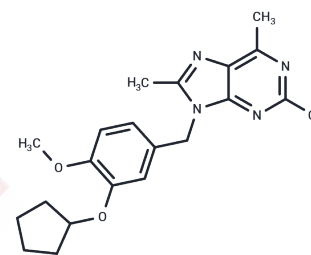


PDE IV-IN-1

Chemical Properties

CAS No. :	225100-12-9
Formula:	C ₂₀ H ₂₃ ClN ₄ O ₂
Molecular Weight:	386.88
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	PDE IV-IN-1 is a potent phosphodiesterase 4 (PDE4) inhibitor with anti-inflammatory activity for the treatment of asthma, chronic obstructive pulmonary disease and other inflammatory diseases, and is a potential compound for the study of depression.
Targets(IC50)	PDE

Solubility Information

Solubility	DMSO: 55 mg/mL (142.16 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	2.5848 mL	12.9239 mL	25.8478 mL
5 mM	0.517 mL	2.5848 mL	5.1696 mL
10 mM	0.2585 mL	1.2924 mL	2.5848 mL
50 mM	0.0517 mL	0.2585 mL	0.517 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

Purine derivative dihydrate, drugs containing the same as the active ingredient and intermediate in the production thereof. US 6919455 B2

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

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