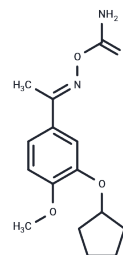


Filaminast

Chemical Properties

CAS No. :	141184-34-1
Formula:	C ₁₅ H ₂₀ N ₂ O ₄
Molecular Weight:	292.33
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	Filaminast (UNII-CDD69JC61J) is an analog of a phosphodiesterase 4 inhibitor (PDE4 inhibitor) and roliplam, which is used as an anti-asthma drug.
Targets(IC50)	PDE

Solubility Information

Solubility	DMSO: 32.5 mg/mL (111.18 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	3.4208 mL	17.104 mL	34.2079 mL
5 mM	0.6842 mL	3.4208 mL	6.8416 mL
10 mM	0.3421 mL	1.7104 mL	3.4208 mL
50 mM	0.0684 mL	0.3421 mL	0.6842 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

- Kalinina OV, et al. Combinations of protein-chemical complex structures reveal new targets for established drugs. PLoS Comput Biol. 2011;7(5):e1002043.
- Giembycz M A. Can the anti-inflammatory potential of PDE4 inhibitors be realized: guarded optimism or wishful thinking?. British journal of pharmacology, 2008, 155(3): 288-290.
- Heaslip RJ, et al. Phosphodiesterase-IV inhibition, respiratory muscle relaxation and bronchodilation by WAY-PDA-641. J Pharmacol Exp Ther. 1994;268(2):888-896.

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