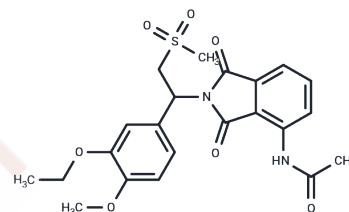


Apremilast, (+/-)-

Chemical Properties

CAS No. :	253168-86-4
Formula:	C ₂₂ H ₂₄ N ₂ O ₇ S
Molecular Weight:	460.5
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	Apremilast, (+/-)-, is a small molecule inhibitor of phosphodiesterase 4 (PDE4) with oral activity. It is used to treat psoriatic arthritis.
Targets(IC50)	Others,PDE

Solubility Information

Solubility	DMSO: Soluble, (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.1716 mL	10.8578 mL	21.7155 mL
5 mM	0.4343 mL	2.1716 mL	4.3431 mL
10 mM	0.2172 mL	1.0858 mL	2.1716 mL
50 mM	0.0434 mL	0.2172 mL	0.4343 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

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Reed M, Crosbie D. Apremilast in the treatment of psoriatic arthritis: a perspective review. *Ther Adv Musculoskelet Dis.* 2017 Feb;9(2):45-53. doi: 10.1177/1759720X16673786. Epub 2017 Jan 20. Review. PubMed PMID: 28255338; PubMed Central PMCID: PMC5315225.

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