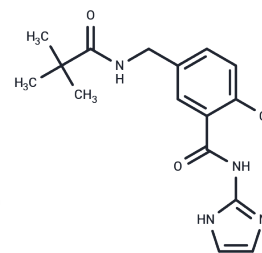


mPGES-1 Inhibitor-1

Chemical Properties

CAS No. :	1381846-21-4
Formula:	C ₁₆ H ₁₉ ClN ₄ O ₂
Molecular Weight:	334.8
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	mPGES-1 Inhibitor-1 is a novel selective inhibitor of microsomal prostaglandin E synthase-1 (mPGES-1) with anti-inflammatory and analgesic activity for the study of acute liver injury.
Targets(IC50)	PGE Synthase, Prostaglandin Receptor

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.9869 mL	14.9343 mL	29.8686 mL
5 mM	0.5974 mL	2.9869 mL	5.9737 mL
10 mM	0.2987 mL	1.4934 mL	2.9869 mL
50 mM	0.0597 mL	0.2987 mL	0.5974 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

Norman BH, et al. Identification and Mitigation of Reactive Metabolites of 2-Aminoimidazole-Containing Microsomal Prostaglandin E Synthase-1 Inhibitors Terminated Due to Clinical Drug-Induced Liver Injury. *J Med Chem.* 2018 Mar 8;61(5):2041-2051.

Jin Y, Regev A, et al. Dose-dependent acute liver injury with hypersensitivity features in humans due to a novel microsomal prostaglandin E synthase 1 inhibitor. *Br J Clin Pharmacol.* 2018 Jan;84(1):179-188.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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