

R1487

Chemical Properties

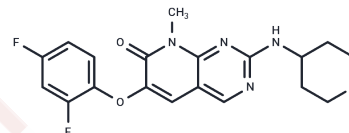
CAS No. : 449811-92-1

Formula: C₁₉H₁₈F₂N₄O₃

Molecular Weight: 388.37

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	R1487 is an orally bioavailable and highly selective p38 α mitogen-activated protein kinase inhibitor.
Targets(IC50)	p38 MAPK

Solubility Information

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

	1mg	5mg	10mg
1 mM	2.5749 mL	12.8743 mL	25.7486 mL
5 mM	0.515 mL	2.5749 mL	5.1497 mL
10 mM	0.2575 mL	1.2874 mL	2.5749 mL
50 mM	0.0515 mL	0.2575 mL	0.515 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

Dunford E C , Herbst E A , Jeoung N H , et al. PDH activation during in vitro muscle contractions in PDH kinase 2 knockout mice: Effect of PDH kinase 1 compensation[J]. American Journal of Physiology Regulatory Integrative & Comparative Physiology, 2011, 300(6):R1487.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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