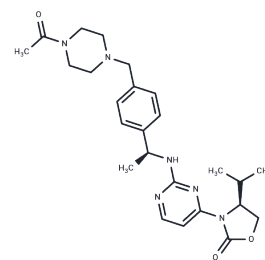


Mutant IDH1 inhibitor

Chemical Properties

CAS No. :	1429180-08-4
Formula:	C ₂₅ H ₃₄ N ₆ O ₃
Molecular Weight:	466.58
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	Mutant IDH1 inhibitor is an effective inhibitor of mutant IDH1 R132H (IC ₅₀ : < 72 nM).
Targets(IC ₅₀)	Dehydrogenase, Isocitrate Dehydrogenase (IDH)
In vitro	Mutant IDH1 inhibitor is used for the treatment of diseases or disorders associated with such mutant IDH proteins including, but not limited to, cell-proliferation disorders, such as cancer.

Solubility Information

Solubility	DMSO: 30 mg/mL (64.3 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	2.1433 mL	10.7163 mL	21.4326 mL
5 mM	0.4287 mL	2.1433 mL	4.2865 mL
10 mM	0.2143 mL	1.0716 mL	2.1433 mL
50 mM	0.0429 mL	0.2143 mL	0.4287 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

3-Pyrimidin-4-yl-oxazolidin-2-ones as inhibitors of mutant IDH and their preparation. Patent WO 2013046136 A1 20130404

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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