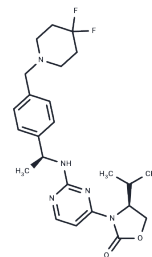


Mutant IDH1-IN-2

Chemical Properties

CAS No. :	1429176-69-1
Formula:	C ₂₄ H ₃₁ F ₂ N ₅ O ₂
Molecular Weight:	459.53
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-IN-2 is an inhibitor of mutant Isocitrate dehydrogenase (IDH) proteins, with an IC ₅₀ of 16.6 nM in fluorescence biochemical assay and an IC ₅₀ of <22 nM in LS-MS biochemical assay.
Targets(IC ₅₀)	Isocitrate Dehydrogenase (IDH)

Solubility Information

Solubility	H ₂ O: < 0.1 mg/mL (insoluble) DMSO: 9 mg/mL (19.59 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+90% Corn Oil: 0.5 mg/mL (1.09 mM), Sonication is recommended. <i>Please add the solvents sequentially, clarifying the solution as much as possible before adding the next one. Dissolve by heating and/or sonication if necessary. Working solution is recommended to be prepared and used immediately. The formulation provided above is for reference purposes only. In vivo formulations may vary and should be modified based on specific experimental conditions.</i>

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.1761 mL	10.8807 mL	21.7614 mL
5 mM	0.4352 mL	2.1761 mL	4.3523 mL
10 mM	0.2176 mL	1.0881 mL	2.1761 mL
50 mM	0.0435 mL	0.2176 mL	0.4352 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

Huangshu, et al. 3-Pyrimidin-4-yl-oxazolidin-2-ones as inhibitors of mutant IDH and their preparation.
WO2013046136A1

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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