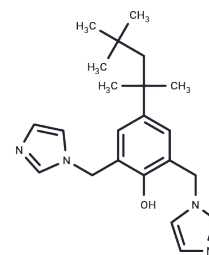


Mutant IDH1-IN-3

Chemical Properties

CAS No. :	1648909-73-2
Formula:	C ₂₂ H ₃₀ N ₄ O
Molecular Weight:	366.5
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	Mutant IDH1-IN-3 (Compound 1) is a selective allosteric inhibitor targeting the mutant isocitrate dehydrogenase 1 (IDH1), with an IC ₅₀ of 13 nM for R132HIDH1. It effectively suppresses the production of D-2-hydroxyglutarate (2HG) in cells and is applicable for research in oncology.
Targets(IC ₅₀)	Isocitrate Dehydrogenase (IDH)

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.7285 mL	13.6426 mL	27.2851 mL
5 mM	0.5457 mL	2.7285 mL	5.457 mL
10 mM	0.2729 mL	1.3643 mL	2.7285 mL
50 mM	0.0546 mL	0.2729 mL	0.5457 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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