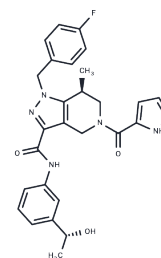


## (S,R)-WT IDH1 Inhibitor 2

## Chemical Properties

CAS No. :	1816272-18-0
Formula:	C <sub>28</sub> H <sub>28</sub> FN <sub>5</sub> O <sub>3</sub>
Molecular Weight:	501.55
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	(S,R)-WT IDH1 Inhibitor 2 is a selective and potent mutant IDH1 inhibitor that inhibits R132G (IC <sub>50</sub> : 2.9 nM), R132C (IC <sub>50</sub> : 3.8 nM), R132H (IC <sub>50</sub> : 4.6 nM) and WT IDH1 (IC <sub>50</sub> : 46 nM) with 100-fold higher selectivity than IDH2. 100-fold higher selectivity than IDH2. (S, R)-WT IDH1 Inhibitor 2 is investigated in acute myeloid leukemia (AML) and other cancers for its ability to induce intracellular 2-HG reduction, failure of myeloid differentiation block, and induction of granulocyte differentiation at the level of leukemia mother cells and more immature stem cells.
Targets(IC <sub>50</sub> )	Others, Isocitrate Dehydrogenase (IDH)

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.9938 mL	9.9691 mL	19.9382 mL
5 mM	0.3988 mL	1.9938 mL	3.9876 mL
10 mM	0.1994 mL	0.9969 mL	1.9938 mL
50 mM	0.0399 mL	0.1994 mL	0.3988 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

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

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