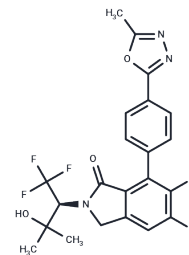


## Glucosylceramide synthase-IN-4

## Chemical Properties

CAS No. :	2776965-41-2
Formula:	C <sub>22</sub> H <sub>18</sub> F <sub>5</sub> N <sub>3</sub> O <sub>3</sub>
Molecular Weight:	467.39
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	Glucosylceramide Synthase-IN-4 (compound 12) serves as a potent inhibitor of glucosylceramide synthase (GCS), exhibiting an IC <sub>50</sub> of 6.8 nM. It demonstrates superior pharmacokinetic properties and robust stability in human hepatocytes. Additionally, this compound is noted for its effective CNS penetration and acceptable PXR selectivity [1].
Targets(IC <sub>50</sub> )	Transferase

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.1395 mL	10.6977 mL	21.3954 mL
5 mM	0.4279 mL	2.1395 mL	4.2791 mL
10 mM	0.214 mL	1.0698 mL	2.1395 mL
50 mM	0.0428 mL	0.214 mL	0.4279 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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Tel:781-999-4286 E\_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481