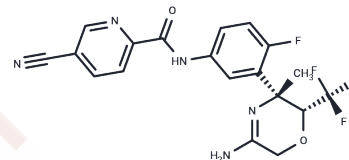


## BACE1-IN-2

## Chemical Properties

CAS No. :	1352416-78-4
Formula:	C <sub>19</sub> H <sub>15</sub> F <sub>4</sub> N <sub>5</sub> O <sub>2</sub>
Molecular Weight:	421.35
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	BACE1-IN-2 is a BACE1 inhibitor (IC <sub>50</sub> : 22 nM).
Targets(IC <sub>50</sub> )	Beta-Secretase, BACE
In vitro	BACE1-IN-2 (Compound 3) exhibits 10-fold greater potency against BACE1 compared to BACE2, whose inhibition may cause hair depigmentation. BACE1-IN-2 inhibits hAβ42 cells with an IC <sub>50</sub> of 6.0 nM.

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.3733 mL	11.8666 mL	23.7332 mL
5 mM	0.4747 mL	2.3733 mL	4.7466 mL
10 mM	0.2373 mL	1.1867 mL	2.3733 mL
50 mM	0.0475 mL	0.2373 mL	0.4747 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

Gijzen HJM, et al. Optimization of 1,4-Oxazine β-Secretase 1 (BACE1) Inhibitors Toward a Clinical Candidate. J Med Chem. 2018 Jun 28;61(12):5292-5303.

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