

A $\beta$ -IN-1

## Chemical Properties

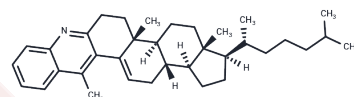
CAS No. : 2766509-32-2

Formula: C<sub>35</sub>H<sub>49</sub>N

Molecular Weight: 483.77

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	A $\beta$ -IN-1 is a novel, potent and orally active $\gamma$ -secretase modulator (GSM). A $\beta$ -IN-1 potently reduced A $\beta$ 42 levels with an IC <sub>50</sub> value of 0.091 $\mu$ M in cultured cells without inhibiting CYP3A4. A $\beta$ -IN-1 shows a sustained pharmacokinetic profile.
Targets(IC <sub>50</sub> )	Beta Amyloid, Gamma-secretase

## Solubility Information

Solubility	H <sub>2</sub> O: < 1 mg/mL (insoluble or slightly soluble) DMSO: < 1 mg/mL (insoluble or slightly soluble) (< 1 mg/ml refers to the product slightly soluble or insoluble)
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## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.0671 mL	10.3355 mL	20.671 mL
5 mM	0.4134 mL	2.0671 mL	4.1342 mL
10 mM	0.2067 mL	1.0335 mL	2.0671 mL
50 mM	0.0413 mL	0.2067 mL	0.4134 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

Albuquerque HMT, et al. Steroid-Quinoline Hybrids for Disruption and Reversion of Protein Aggregation Processes. ACS Med Chem Lett. 2022;13(3):443-448.

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