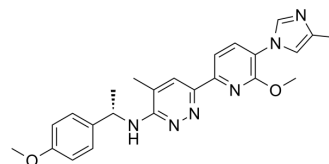


## A $\beta$ 42-IN-2

Cat. No.:	HY-136866
CAS No.:	1914989-80-2
Molecular Formula:	C <sub>24</sub> H <sub>26</sub> N <sub>6</sub> O <sub>2</sub>
Molecular Weight:	430.5
Target:	$\gamma$ -secretase
Pathway:	Neuronal Signaling; Stem Cell/Wnt
Storage:	4°C, stored under nitrogen * In solvent : -80°C, 6 months; -20°C, 1 month (stored under nitrogen)



### SOLVENT & SOLUBILITY

In Vitro	DMSO : 20 mg/mL (46.46 mM; Need ultrasonic)						
	Preparing Stock Solutions	Solvent Concentration	Mass	1 mg	5 mg	10 mg	
				1 mM	2.3229 mL	11.6144 mL	23.2288 mL
				5 mM	0.4646 mL	2.3229 mL	4.6458 mL
				10 mM	0.2323 mL	1.1614 mL	2.3229 mL
Please refer to the solubility information to select the appropriate solvent.							
In Vivo	1. Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline Solubility: $\geq$ 2 mg/mL (4.65 mM); Clear solution						
	2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE- $\beta$ -CD in saline) Solubility: 2 mg/mL (4.65 mM); Suspended solution; Need ultrasonic						
	3. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: $\geq$ 2 mg/mL (4.65 mM); Clear solution						

### BIOLOGICAL ACTIVITY

Description	A $\beta$ 42-IN-2 is a $\gamma$ -secretase modulator extracted from patent WO2016070107, compound example 36. A $\beta$ 42-IN-2 has an IC <sub>50</sub> of 6.5 nM for A $\beta$ <sub>42</sub> . A $\beta$ 42-IN-2 can be used for the research of Alzheimer's disease <sup>[1]</sup> .
IC <sub>50</sub> & Target	A $\beta$ <sub>42</sub> <sup>[1]</sup>

### REFERENCES

**Caution: Product has not been fully validated for medical applications. For research use only.**

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