## Data Sheet (Cat.No.T40071)



## Cavα2δ-IN-1

Chemical Propert	lies	
CAS No. :	2416957-09-8	H₃C → H →
Formula:	C18H27N5O	
Molecular Weight:	329.448	
Appearance: 🦲	no data available	
Storage:	Powder: -20°C for 3 years   In solvent: -80°C for 1 year	II o

<b>Biological Description</b>	<u>e</u>
Description	Cavα2δ-IN-1 demonstrates exceptional specificity for voltage-gated calcium channels Cavα2δ-1 (with a Ki value of 6 nM), in comparison to Cavα2δ-2 (with a Ki value greater than 10,000 nM).

## **Preparing Stock Solutions**

	1mg	5mg	10mg
1 mM	3.0354 mL	15.1768 mL	30.3536 mL
5 mM	0.6071 mL	3.0354 mL	6.0707 mL
10 mM	0.3035 mL	1.5177 mL	3.0354 mL
50 mM	0.0607 mL	0.3035 mL	0.6071 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.

## Reference

Fernández A, et al. Piperazinyl Bicyclic Derivatives as Selective Ligands of the  $\alpha 2\delta$ -1 Subunit of Voltage-Gated Calcium Channels. ACS Med Chem Lett. 2021 Oct 5;12(11):1802-1809.

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