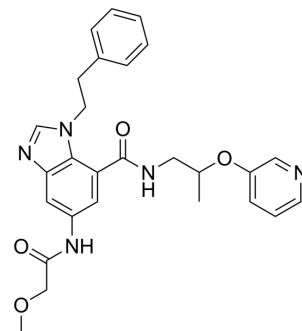


MG-2119

Cat. No.:	HY-139307
CAS No.:	1065500-40-4
Molecular Formula:	C ₂₇ H ₂₉ N ₅ O ₄
Molecular Weight:	487.55
Target:	Tau Protein
Pathway:	Neuronal Signaling
Storage:	4°C, sealed storage, away from moisture and light * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture and light)



SOLVENT & SOLUBILITY

In Vitro	DMSO : 100 mg/mL (205.11 mM; Need ultrasonic)																							
	<table border="1"> <thead> <tr> <th rowspan="2">Solvent Concentration</th> <th colspan="3">Mass</th> </tr> <tr> <th>1 mg</th> <th>5 mg</th> <th>10 mg</th> </tr> </thead> <tbody> <tr> <td>Preparing Stock Solutions</td> <td></td> <td></td> <td></td> </tr> <tr> <td>1 mM</td> <td>2.0511 mL</td> <td>10.2554 mL</td> <td>20.5107 mL</td> </tr> <tr> <td>5 mM</td> <td>0.4102 mL</td> <td>2.0511 mL</td> <td>4.1021 mL</td> </tr> <tr> <td>10 mM</td> <td>0.2051 mL</td> <td>1.0255 mL</td> <td>2.0511 mL</td> </tr> </tbody> </table>	Solvent Concentration	Mass			1 mg	5 mg	10 mg	Preparing Stock Solutions				1 mM	2.0511 mL	10.2554 mL	20.5107 mL	5 mM	0.4102 mL	2.0511 mL	4.1021 mL	10 mM	0.2051 mL	1.0255 mL	2.0511 mL
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	Please refer to the solubility information to select the appropriate solvent.																							
In Vivo	<ol style="list-style-type: none"> Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline Solubility: ≥ 2.5 mg/mL (5.13 mM); Clear solution Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.5 mg/mL (5.13 mM); Clear solution Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.5 mg/mL (5.13 mM); Clear solution 																							

BIOLOGICAL ACTIVITY

Description	MG-2119 is a potent monomeric tau and α-syn aggregation inhibitor. MG-2119 is a potential agent for neurological disorders research ^[1] .
IC₅₀ & Target	tau and α-syn ^[1]

REFERENCES

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

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