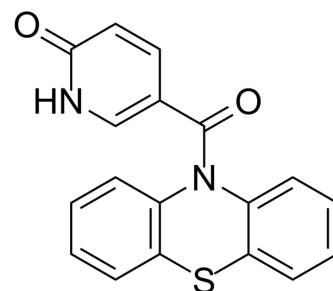


## Serine Hydrolase inhibitor-21

Cat. No.:	HY-153433
CAS No.:	366448-34-2
Molecular Formula:	C <sub>18</sub> H <sub>12</sub> N <sub>2</sub> O <sub>2</sub> S
Molecular Weight:	320.37
Target:	Others
Pathway:	Others
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 : 12 mg/mL (37.46 mM; ultrasonic and warming and heat to 60°C)					
	Preparing Stock Solutions	<div>Solvent Concentration</div>	Mass	1 mg	5 mg	10 mg
		1 mM		3.1214 mL	15.6070 mL	31.2139 mL
		5 mM		0.6243 mL	3.1214 mL	6.2428 mL
		10 mM		0.3121 mL	1.5607 mL	3.1214 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: ≥ 1.2 mg/mL (3.75 mM); Clear solution					
	2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 1.2 mg/mL (3.75 mM); Clear solution					
	3. Add each solvent one by one: 10% DMSO >> 90% corn oil					
	Solubility: ≥ 1.2 mg/mL (3.75 mM); Clear solution					

### BIOLOGICAL ACTIVITY

Description	Serine Hydrolase inhibitor-21 (compound 8), a pyridine, is a serine hydrolase inhibitor with a K <sub>i</sub> of 429 nM for BuChE. Serine Hydrolase inhibitor-21 has the potential for Alzheimer's disease research <sup>[1]</sup> .
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### REFERENCES

[1]. Sultan Darvesh, et al. Novel pyridones and their use as modulators of serine hydrolase enzymes. WO2001077078A1.

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

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