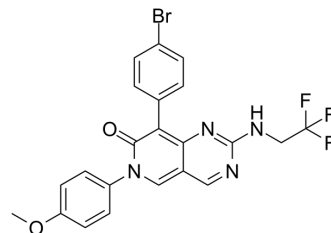


## AGI-41998

Cat. No.:	HY-145778	
CAS No.:	2377492-26-5	
Molecular Formula:	C <sub>22</sub> H <sub>16</sub> BrF <sub>3</sub> N <sub>4</sub> O <sub>2</sub>	
Molecular Weight:	505.29	
Target:	Somatostatin Receptor	
Pathway:	GPCR/G Protein; Neuronal Signaling	
Storage:	Powder	-20°C 3 years
	In solvent	-80°C 6 months
		-20°C 1 month



### SOLVENT & SOLUBILITY

In Vitro	DMSO : 83.33 mg/mL (164.92 mM; Need ultrasonic)					
	Preparing Stock Solutions	Solvent Concentration	Mass			
			1 mg	5 mg	10 mg	
			1 mM	1.9791 mL	9.8953 mL	19.7906 mL
			5 mM	0.3958 mL	1.9791 mL	3.9581 mL
10 mM	0.1979 mL	0.9895 mL	1.9791 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: ≥ 2.08 mg/mL (4.12 mM); Clear solution					

### BIOLOGICAL ACTIVITY

Description	AGI-41998 is a potent inhibitor of methionine adenosyltransferase 2A (MAT2A). AGI-41998 is a brain-penetrant compound. AGI-41998 has the potential for exploring the effects of SAM modulation in the central nervous system (CNS) and research of cancer disease <sup>[1]</sup> .
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### REFERENCES

[1]. Li M, et al. Leveraging Structure-Based Drug Design to Identify Next-Generation MAT2A Inhibitors, Including Brain-Penetrant and Peripherally Efficacious Leads. J Med Chem. 2022;65(6):4600-4615.

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

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