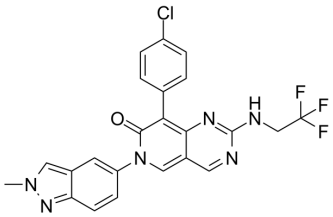
AGI-43192

Cat. No.:	HY-145777
CAS No.:	2377491-54-6
Molecular Formula:	$C_{23}H_{16}ClF_3N_6O$
Molecular Weight:	484.86
Target:	Somatostatin Receptor
Pathway:	GPCR/G Protein; Neuronal Signaling
Storage:	Powder -20°C 3 years 4°C 2 years In solvent -80°C 6 months -20°C 1 month



SOLVENT & SOLUBILITY

In Vitro

DMSO : 13.89 mg/mL (28.65 mM; ultrasonic and warming and heat to 60°C)

Preparing Stock Solutions	Solvent / Mass / Concentration	1 mg	5 mg	10 mg
	1 mM	2.0625 mL	10.3123 mL	20.6245 mL
	5 mM	0.4125 mL	2.0625 mL	4.1249 mL
	10 mM	0.2062 mL	1.0312 mL	2.0625 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: ≥ 8.33 mg/mL (17.18 mM); Clear solution
2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)
   Solubility: ≥ 8.33 mg/mL (17.18 mM); Clear solution

BIOLOGICAL ACTIVITY

Description

AGI-43192 is a potent inhibitor of methionine adenosyltransferase 2A (MAT2A). AGI-43192 is a potent, but limited brain-penetrant compound. AGI-43192 has the potential for exploring the effects of SAM modulation in the central nervous system (CNS) and research of cancer disease[1].

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.

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

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