GSK1034702

Cat. No.: HY-107111

CAS No.: 932373-87-0

Molecular Formula: $C_{18}H_{24}FN_3O_2$

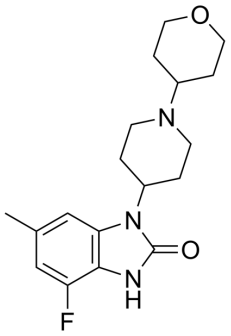
Molecular Weight: 333.4

Target: Cholinesterase (ChE)

Pathway: 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 : 2 mg/mL (6.00 mM; ultrasonic and warming and heat to 60°C)

Preparing Stock Solutions

Solvent / Mass / Concentration	1 mg	5 mg	10 mg
1 mM	2.9994 mL	14.9970 mL	29.9940 mL
5 mM	0.5999 mL	2.9994 mL	5.9988 mL
10 mM	---	---	---

Please refer to the solubility information to select the appropriate solvent.

BIOLOGICAL ACTIVITY

Description

GSK1034702 is a M1 mAChR allosteric agonist. GSK1034702 shows procognitive effects in rodents. GSK1034702 modulates hippocampal function to improve memory encoding in nicotine abstinence model of cognitive dysfunction[1].

REFERENCES

[1]. Bradley SJ, et al. Bitopic Binding Mode of an M1 Muscarinic Acetylcholine Receptor Agonist Associated with Adverse Clinical Trial Outcomes. Mol Pharmacol. 2018 Jun;93(6):645-656.

[2]. Nathan PJ, et al. The potent M1 receptor allosteric agonist GSK1034702 improves episodic memory in humans in the nicotine abstinence model of cognitive dysfunction. Int J Neuropsychopharmacol. 2013 May;16(4):721-31.

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

Tel: 609-228-6898 Fax: 609-228-5909 E-mail: tech@MedChemExpress.com
Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA