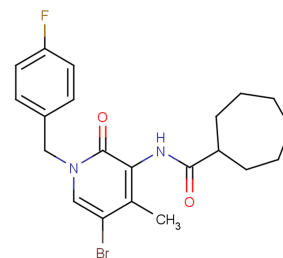


CB2R PAM

Chemical Properties

CAS No. :	2244579-87-9
Formula:	C ₂₁ H ₂₄ BrFN ₂ O ₂
Molecular Weight:	435.33
Appearance:	no data available
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year



Biological Description

Description	CB2R PAM is an orally active cannabinoid type 2 receptor (CB2Rs) positive mutational modulator that enhances CP 55940 and 2-Arachidonylglycerol-stimulated [35S]GTPγS binding to CB2 receptors, but has no effect in the absence of agonists. ...CB2R PAM shows anti-injury activity in a mouse model of neuropathic pain.
Targets(IC50)	Cannabinoid Receptor
In vitro	CB2R Positive Allosteric Modulator (PAM) at a concentration of 100 nM notably enhances the capability of CP55940 and 2-AG, without affecting AEA, in promoting [35S]GTPγS binding to CB2 receptors.[1]
In vivo	CB2R PAM (1-20 mg/kg; p.o.) displays antinociceptive activity.[1]

Solubility Information

Solubility	DMSO: 45.0 mg/mL (103.4 mM),sonification is recommended. <lt; 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.2971 mL	11.4855 mL	22.9711 mL
5 mM	0.4594 mL	2.2971 mL	4.5942 mL
10 mM	0.2297 mL	1.1486 mL	2.2971 mL
50 mM	0.0459 mL	0.2297 mL	0.4594 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Reference

Gado F, et al. Identification of the First Synthetic Allosteric Modulator of the CB2 Receptors and Evidence of Its Efficacy for Neuropathic Pain Relief. J Med Chem. 2019;62(1):276-287.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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