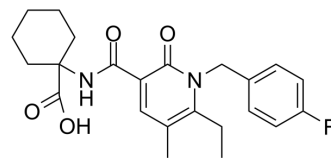


S-777469

Cat. No.:	HY-145153
CAS No.:	885496-53-7
Molecular Formula:	C ₂₃ H ₂₇ FN ₂ O ₄
Molecular Weight:	414.47
Target:	Cannabinoid Receptor
Pathway:	GPCR/G Protein; Neuronal Signaling
Storage:	4°C, protect from light * In solvent : -80°C, 6 months; -20°C, 1 month (protect from light)



SOLVENT & SOLUBILITY

In Vitro

DMSO : 83.33 mg/mL (201.05 mM; Need ultrasonic)

Concentration	Solvent	Mass		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	2.4127 mL	12.0636 mL	24.1272 mL
	5 mM	0.4825 mL	2.4127 mL	4.8254 mL
	10 mM	0.2413 mL	1.2064 mL	2.4127 mL

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

BIOLOGICAL ACTIVITY

Description

S-777469 is a selective and orally available cannabinoid type 2 receptor (CB2) agonist with a K_i of 36 nM. S-777469 significantly suppresses compound 48/80-induced scratching behavior in mice in a dose-dependent manner. S-777469 produces its antipruritic effects by inhibiting itch signal transmission through CB2 agonism^{[1][2]}.

REFERENCES

- [1]. Odan M, et al. Discovery of S-777469: an orally available CB2 agonist as an antipruritic agent. *Bioorg Med Chem Lett*. 2012 Apr 15;22(8):2803-6.
- [2]. Haruna T, et al. S-777469, a novel cannabinoid type 2 receptor agonist, suppresses itch-associated scratching behavior in rodents through inhibition of itch signal transmission. *Pharmacology*. 2015;95(1-2):95-103.

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

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