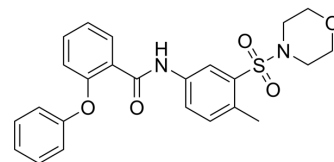


CB1 agonist 1

Cat. No.:	HY-148137		
CAS No.:	851212-80-1		
Molecular Formula:	C ₂₄ H ₂₄ N ₂ O ₅ S		
Molecular Weight:	452.52		
Target:	Cannabinoid 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 : 250 mg/mL (552.46 mM; Need ultrasonic)

Concentration	Solvent	Mass		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	2.2098 mL	11.0492 mL	22.0985 mL
	5 mM	0.4420 mL	2.2098 mL	4.4197 mL
	10 mM	0.2210 mL	1.1049 mL	2.2098 mL

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

BIOLOGICAL ACTIVITY

Description

CB1 agonist 1 (compound 22) is an agonist of CB1. CB1 agonist 1 shows affinity to CB1 receptor with an pIC₅₀ value of 5.7. CB1 agonist 1 can be used for the research of brain disorders^[1].

REFERENCES

[1]. Lambeng N, et al. Arylsulfonamides as a new class of cannabinoid CB1 receptor ligands: identification of a lead and initial SAR studies. *Bioorg Med Chem Lett*. 2007 Jan 1;17(1):272-7.

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

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