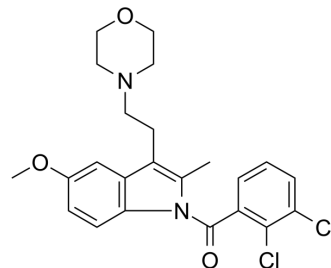


GW-405833

Cat. No.:	HY-110036		
CAS No.:	180002-83-9		
Molecular Formula:	C ₂₃ H ₂₄ Cl ₂ N ₂ O ₃		
Molecular Weight:	447.35		
Target:	Cannabinoid 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 : 125 mg/mL (279.42 mM; Need ultrasonic)

Concentration	Solvent	Mass		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	2.2354 mL	11.1769 mL	22.3539 mL
	5 mM	0.4471 mL	2.2354 mL	4.4708 mL
	10 mM	0.2235 mL	1.1177 mL	2.2354 mL

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

BIOLOGICAL ACTIVITY

Description

GW-405833 (L768242) is a potent, selective cannabinoid receptor 2 (CB₂) agonist with an EC₅₀ of 50.7 nM. GW-405833 also behaves as a noncompetitive CB₁ antagonist. GW-405833 suppresses inflammatory and neuropathic pain^{[1][2]}.

IC₅₀ & Target

CB2	CB1
50.7 nM (EC50)	16.1 μM (EC50)

REFERENCES

[1]. Li AL, et al. Cannabinoid CB₂ Agonist GW405833 Suppresses Inflammatory and Neuropathic Pain through a CB₁ Mechanism that is Independent of CB₂ Receptors in Mice. *J Pharmacol Exp Ther.* 2017 Aug;362(2):296-305.

[2]. Li J, et al. Indole compounds with N-ethyl morpholine moieties as CB₂ receptor agonists for anti-inflammatory management of pain: synthesis and biological evaluation. *Medchemcomm.* 2019 Sep 17;10(11):1935-1947.

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