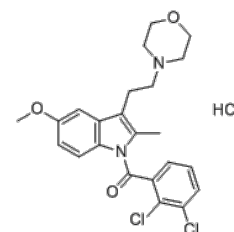


Product Name : GW405833 hydrochloride
Cat. No. : PC-60728
CAS No. : 1202865-22-2
Molecular Formula : C₂₃H₂₅Cl₃N₂O₃
Molecular Weight : 483.814
Target : Cannabinoid Receptor
Solubility : 10 mM in DMSO



Biological Activity

GW405833 is a potent, selective cannabinoid receptor **CB2 agonist** with K_i of 3.6 nM, 1200-fold selectivity over CB1. GW405833 causes a concentration-dependent inhibition of forskolin-mediated cAMP accumulation in CHO-K1 cells with EC₅₀ of 0.65 nM. GW405833 elicits potent and efficacious antihyperalgesic effects in rodent models of neuropathic, incisional and chronic inflammatory pain.

References

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Whiteside GT, et al. Eur J Pharmacol. 2005 Dec 28;528(1-3):65-72.
Hu B, et al. Pain. 2009 Jun;143(3):206-12.
Li AL, et al. J Pharmacol Exp Ther. 2017 Aug;362(2):296-305.

Caution: Product has not been fully validated for medical applications. Lab Use Only!

E-mail: tech@probechem.com