

Product Data Sheet

Product Name: GW405833 hydrochloride

Cat. No.: GC72818

Chemical Properties

Cas. No. 1202865-22-2

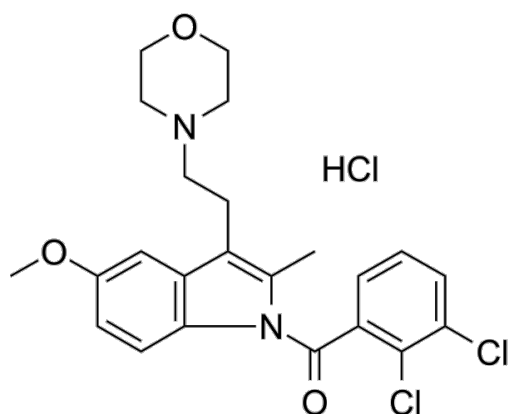
Formula $C_{23}H_{25}Cl_3N_2O_3$ M.Wt 483.82

Solubility DMSO : 125 mg/mL (258.36 mM; ultrasonic and warming and heat to 60°C) Storage 4°C, sealed storage, away from moisture

General tips For obtaining a higher solubility, please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution : ship with blue ice All other available size: ship with RT, or blue ice upon request.

Structure



Background

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

References:

[1]. Li AL, Carey LM, Mackie K, Hohmann AG. Cannabinoid CB2 Agonist GW405833 Suppresses

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

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Inflammatory and Neuropathic Pain through a CB1 Mechanism that is Independent of CB2 Receptors in Mice. J Pharmacol Exp Ther. 2017;362(2):296-305.

[2]. Parlar A, Arslan SO, Doğan MF, et al. The exogenous administration of CB2 specific agonist, GW405833, inhibits inflammation by reducing cytokine production and oxidative stress. Exp Ther Med. 2018;16(6):4900-4908.

[3]. Marini P, Cascio MG, King A, Pertwee RG, Ross RA. Characterization of cannabinoid receptor ligands in tissues natively expressing cannabinoid CB2 receptors. Br J Pharmacol. 2013;169(4):887-899.

[4]. Brownjohn PW, Ashton JC. Spinal cannabinoid CB2 receptors as a target for neuropathic pain: an investigation using chronic constriction injury. Neuroscience. 2012;203:180-193.

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