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Produktinformation



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Diagnostik & molekulare Diagnostik



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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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PRODUCT INFORMATION



GW 405833

Item No. 20219

CAS Registry No.: 180002-83-9

Formal Name: (2,3-dichlorophenyl)[5-methoxy-2-methyl-3-[2-(4-morpholinyl)ethyl]-1H-indol-1-yl]-methanone

Synonym: L-768,242

MF: C₂₃H₂₄Cl₂N₂O₃

FW: 447.4

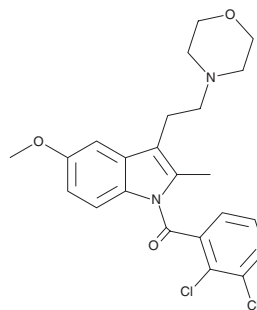
Purity: ≥98%

UV/Vis.: λ_{max}: 264, 315 nm

Supplied as: A crystalline solid

Storage: -20°C

Stability: As supplied, 2 years from the QC date provided on the Certificate of Analysis, when stored properly



Laboratory Procedures

GW 405833 is supplied as a crystalline solid. A stock solution may be made by dissolving the GW 405833 in the solvent of choice. GW 405833 is soluble in organic solvents such as ethanol, DMSO, and dimethyl formamide (DMF), which should be purged with an inert gas. The solubility of GW 405833 in these solvents is approximately 0.3, 5, and 10 mg/ml, respectively.

GW 405833 is sparingly soluble in aqueous buffers. For maximum solubility in aqueous buffers, GW 405833 should first be dissolved in DMF and then diluted with the aqueous buffer of choice. GW 405833 has a solubility of approximately 0.2 mg/ml in a 1:4 solution of DMF:PBS (pH 7.2) using this method. We do not recommend storing the aqueous solution for more than one day.

Description

GW 405833 is a partial agonist of the cannabinoid CB₂ receptor (EC₅₀ = 0.65 nM).¹ It is selective for CB₂, binding with a K_i value of 14 nM compared to that of CB₁ with a K_i value of 2.04 μM.¹ GW 405833 demonstrates anti-inflammatory and antihyperalgesic properties in animal models of inflammation and pain.¹

Reference

1. Guindon, J. and Hohmann, A.G. Cannabinoid CB₂ receptors: A therapeutic target for the treatment of inflammatory and neuropathic pain. *British Journal of Pharmacology* **153**, 319-334 (2008).

WARNING

THIS PRODUCT IS FOR RESEARCH ONLY - NOT FOR HUMAN OR VETERINARY DIAGNOSTIC OR THERAPEUTIC USE.

SAFETY DATA

This material should be considered hazardous until further information becomes available. Do not ingest, inhale, get in eyes, on skin, or on clothing. Wash thoroughly after handling. Before use, the user must review the [complete](#) Safety Data Sheet, which has been sent via email to your institution.

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