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Produktinformation

- Forschungsprodukte & Biochemikalien
- Zellkultur & Verbrauchsmaterial
- Diagnostik & molekulare Diagnostik
- Laborgeräte & Service

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Lieferung & Zahlungsart

siehe unsere Liefer- und Versandbedingungen

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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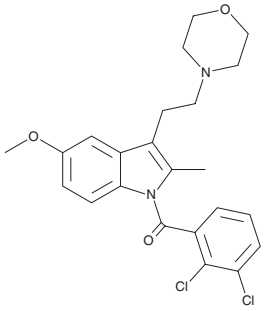
PRODUCT INFORMATION

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:	$C_{23}H_{24}Cl_2N_2O_3$
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 CB_2 receptor (EC_{50} = 0.65 nM).[1] It is selective for CB_2, binding with a K_i value of 14 nM compared to that of CB_1 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 CB_2 receptors: A therapeutic target for the treatment of inflammatory and neuropathic pain. *British Journal of Pharmacology* **153**, 319-334 (2008).

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