
Product Data Sheet

Product Name: GW 405833

Cat. No.: GC18181

Chemical Properties

Cas. No. 180002-83-9

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

SMILES COC1=CC=C(N(C(C2=C(Cl)C(Cl)=CC=C2)=O)C(C)=C3CCN4CCOCC4)C3=C1Formula $C_{23}H_{24}Cl_2N_2O_3$ M.Wt 447.4

Solubility DMF: 10 mg/ml, DMF:PBS (pH 7.2) (1:4): 0.2 mg/ml, DMSO: 5 mg/ml, Ethanol: 0.3 mg/ml Store Storage at -20°C

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 is a partial agonist of the cannabinoid CB2 receptor ($EC_{50} = 0.65$ nM). 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 μ M. GW 405833 demonstrates anti-inflammatory and antihyperalgesic properties in animal models of inflammation and pain.

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

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