

GW842166X

Catalog No: tcsc7768



Available Sizes

Size: 2mg

Size: 5mg

Size: 10mg

Size: 25mg



Specifications

CAS No:

666260-75-9

Formula:

$C_{18}H_{17}Cl_2F_3N_4O_2$

Pathway:

GPCR/G Protein

Target:

Cannabinoid Receptor

Purity / Grade:

>98%

Solubility:

DMSO : ≥ 83.3 mg/mL (185.42 mM)

Observed Molecular Weight:

449.25

Product Description

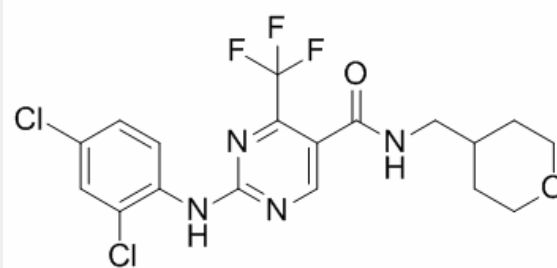
GW842166X is a potent and selective **cannabinoid receptor 2** (CB2) agonist with **IC₅₀** values of 63 and 91 nM for human and rat

CB2, respectively.

IC50 & Target: IC50: 63 nM (human CB2), 91 nM (rat CB2)^[1]

In Vitro: GW842166X shows similar potency and efficacy for rat and human recombinant CB2 receptors. It has no significant agonist activity at concentrations up to 30 μ M in human and rat CB1 recombinant assays^[1].

In Vivo: GW842166X has an oral ED₅₀ of 0.1 mg/kg in the rat FCA model of inflammatory pain and shows full reversal of hyperalgesia at 0.3 mg/kg. The blood concentrations of GW842166X in experiments are 30 nM (0.03 mg/kg), 130 nM (0.1 mg/kg), and 370 nM (0.3 mg/kg) 1 h after dosing. After dosing for 4 days in the FCA model, no statistical difference in antihyperalgesic response is observed on day 4 relative to day 1, indicating that tolerance does not occur^[1].



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