Web: www.taiclone.com
Tel: +886-2-2735-9682
Email: order@taiclone.com

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 **IC_{50}** values of 63 and 91 nM for human and rat

Web: www.taiclone.com
Tel: +886-2-2735-9682
Email: order@taiclone.com

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 μM in human and rat CB1 recombinant assays[1].

In Vivo: GW842166X has an oral ED_{50} 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].