

Product Datasheet

GW842166X (orb1221905)

Catalog Number	orb1221905
Category	Small Molecules
Description	<p>GW 842166X is a cannabinoid receptor 2 (CB2) agonist potentially for the treatment of inflammatory pain.(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.(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.</p>
Target	Topoisomerase
Purity	>98% (HPLC)
MW	449.25
Target Areas	CB2
Solubility (25°C)	DMSO : ≥ 83.3 mg/mL; 185.42 mM
CAS Number	666260-75-9
Formula	C ₁₈ H ₁₇ Cl ₂ F ₃ N ₄ O ₂
SMILES	FC(F)(F)C1=NC(NC2=CC=C(CI)C=C2CI)=NC=C1C(=O)NCC1CCOCC1
Chemical Name	2-((2,4-dichlorophenyl)amino)-N-((tetrahydro-2H-pyran-4-yl)methyl)-4-(trifluoromethyl)pyrimidine-5-carboxamide

Biorbyt Ltd.

7 Signet Court, Swann Road
Cambridge
CB5 8LA
United Kingdom

Email: info@biorbyt.com, support@biorbyt.com

Phone: +44 (0)1223 859353 | Fax: +1 (415) 651-8558

Biorbyt LLC

68 TW Alexander Drive
Research Triangle Park
Durham
NC 27713-2847
United States

Email: info@biorbyt.com, support@biorbyt.com

Phone: +1 (415) 906-5211 | Fax: +1 (415) 651-8558

Storage	Storage temperature: -20°C. Stability: \geq 2 years
Note	For research use only
Expiration Date	12 months from date of receipt.

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United Kingdom

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Phone: [+44 \(0\)1223 859353](tel:+44(0)1223859353) | Fax: [+1 \(415\) 651-8558](tel:+1(415)651-8558)

Biorbyt LLC

68 TW Alexander Drive
Research Triangle Park
Durham
NC 27713-2847
United States

Email: info@biorbyt.com, support@biorbyt.com

Phone: [+1 \(415\) 906-5211](tel:+1(415)906-5211) | Fax: [+1 \(415\) 651-8558](tel:+1(415)651-8558)