
Product Data Sheet

Product Name: CB2R-IN-1

Cat. No.: GC33756

Chemical Properties

Cas. No. 1257555-79-5

SMILES O=S(C(F)(F)F)(NCC1(CCC)CCN(S(=O)(=O)C(N2S(=O)(=O)C3=NC=CC=C3)=O)=CC4=C2C=CC=C4)=O)CC1=OFormula $C_{23}H_{27}F_3N_4O_6S_3$ M.Wt 608.67

Solubility Soluble in DMSO Storage Store 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**

CB2R-IN-1 is a potent cannabinoid CB2 receptor inverse agonist with a K_i of 0.9 nM.

CB2R-IN-1 (Compound 37) is a potent cannabinoid CB2 receptor ligand ($K_i=0.9$ nM) with excellent selectivity over the CB1 receptor ($K_i=8259.3$ nM)[1].

[1]. Tong L, et al. Expansion of SAR studies on triaryl bis sulfone cannabinoid CB2 receptor ligands. *Bioorg Med Chem Lett*. 2010 Nov 15;20(22):6785-9.

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

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