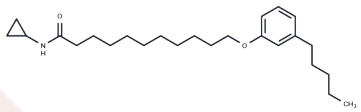
Data Sheet (Cat.No.T61736)

TargetMol

CB1/2 agonist 3

Chemical Properties



CAS No. : 2772655-86-2

Formula: C25H41NO2

Molecular Weight: 387.6

Storage: Keep away from moisture
Powder: -20°C for 3 years | In solvent: -80°C for 1 year
Actual storage temperature shall be subject to the COA.

Biological Description

Description	CB1/2 agonist 3 is a competitive and potent CB1/CB2 agonist with high affinity for hCB1 and hCB2 and can be used to study neurological disorders.
Targets(IC50)	Cannabinoid Receptor
In vitro	CB1/2 agonist 3 partially induced the binding of [35S]GTPγS to hCB1-CHO cell membranes with an EC50=30.99 nM and slightly inhibited the binding of [35S]GTPγS to hCB2-CHO cell membranes with an average EC50=1.28 nM. CB1/2 agonist 3, after treatment for 1 hour at a concentration of 1 μM , antagonized the CB1/CB2 agonist CP-55940 with Kb=78.17 nM. [1]

Solubility Information

Solubility	DMSO: 8 mg/mL (20.64 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+90% Corn Oil: 0.5 mg/mL (1.29 mM),Sonication is recommended. *Please add the solvents sequentially, clarifying the solution as much as possible before adding the next one. Dissolve by heating and/or sonication if necessary. Working solution is recommended to be prepared and used immediately. The formulation provided above is for reference purposes only. In vivo formulations may vary and should be modified based on specific experimental conditions.*

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.580 mL	12.8999 mL	25.7998 mL
5 mM	0.516 mL	2.580 mL	5.160 mL
10 mM	0.258 mL	1.290 mL	2.580 mL
50 mM	0.0516 mL	0.258 mL	0.516 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

Brizzi A, et al. Synthetic bioactive olivetol-related amides: The influence of the phenolic group in cannabinoid receptor activity. Bioorg Med Chem. 2020 Jun 1;28(11):115513.