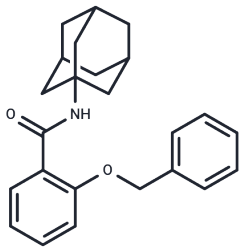
Data Sheet (Cat.No.T67896)

TargetMol

CB2R/FAAH modulator-1

Chemical Properties



CAS No. : 928892-60-8

Formula: C24H27NO2

Molecular Weight: 361.48

Storage: 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	CB2R/FAAH modulator-1, a cannabinoid type 2 receptor (CB2R) agonist, is also a fatty acid amide hydrolase (FAAH) inhibitor (IC50=4 μM) that reduces the production of pro-inflammatory and anti-inflammatory cytokines and is commonly used in inflammation studies. The Kis for CB2R and CB1R are 14.8 nM and 241.3 nM, respectively.
Targets(IC50)	Cannabinoid Receptor,FAAH
In vitro	CB2R/FAAH modulator-1 (compound 13; 10 μM; 24 h) reduces TNFα, IFN-γ, IL-1β, and IL-6 production in unstimulated monocytes and macrophages[1].

Solubility Information

Solubility	DMSO: 11 mg/mL (30.43 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.7664 mL	13.832 mL	27.664 mL
5 mM	0.5533 mL	2.7664 mL	5.5328 mL
10 mM	0.2766 mL	1.3832 mL	2.7664 mL
50 mM	0.0553 mL	0.2766 mL	0.5533 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

Francesca Intranuov, et al. Development of N-(1-Adamantyl)benzamides as Novel Anti-Inflammatory Multitarget Agents Acting as Dual Modulators of the Cannabinoid CB2 Receptor and Fatty Acid Amide Hydrolase. J Med Chem. 2023 Jan 12;66(1):235-250.

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