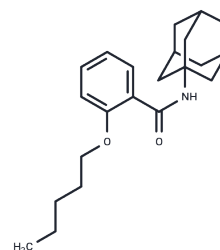


CB2R/FAAH modulator-3

Chemical Properties

CAS No. :	2876918-67-9
Formula:	C22H31NO2
Molecular Weight:	341.49
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-3 (compound 27) is a modulator targeting CB2R and FAAH, acting as a CB2R agonist with a K_i value of 20.1 nM and a CB1R agonist with a K_i value of 67.6 nM, while inhibiting FAAH with an IC_{50} value of 3.4 μ M. This compound has research value in cancer, neurodegenerative disease-related inflammatory cascades, and COVID-19 infection.
Targets(IC_{50})	Cannabinoid Receptor,FAAH
In vitro	CB2R/FAAH modulator-3 (compound 27) at 10 μ M reduces production of the inflammatory cytokines $TNF\alpha$, $IFN-\gamma$, $IL-1\beta$, and $IL-6$ in unstimulated monocytes and macrophages[1].

Solubility Information

Solubility	DMSO: 50 mg/mL (146.42 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
------------	--

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.9283 mL	14.6417 mL	29.2834 mL
5 mM	0.5857 mL	2.9283 mL	5.8567 mL
10 mM	0.2928 mL	1.4642 mL	2.9283 mL
50 mM	0.0586 mL	0.2928 mL	0.5857 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 Intranuovo, 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481