

CB1R antagonist 2

Chemical Properties

CAS No. :

Formula: C₂₄H₂₆N₄O

Molecular Weight: 386.49

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	CB1R antagonist 2 (Compound 11g) functions as an antagonist of the cannabinoid receptor 1 (CB1R), inhibiting the MAPK/NF-κB signaling pathway and exhibiting anti-inflammatory properties. In RAW264.7 cells, it suppresses LPS-induced expression of IL-6, IL-1β, and TNF-α. In murine models, it improves OVA-induced allergic rhinitis.
Targets(IC50)	Cannabinoid Receptor,NF-κB,p38 MAPK

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.5874 mL	12.9369 mL	25.8739 mL
5 mM	0.5175 mL	2.5874 mL	5.1748 mL
10 mM	0.2587 mL	1.2937 mL	2.5874 mL
50 mM	0.0517 mL	0.2587 mL	0.5175 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.

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