

CB1R/AMPK modulator 1

Chemical Properties

CAS No. :

Formula: C₂₅H₂₂Cl₂N₆O₃S

Molecular Weight: 557.45

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	Compound 38-S is an orally active CB1R/AMPK modulator with a K _i of 0.81 nM and an IC ₅₀ of 3.9 nM for CB1R. This compound activates AMPK and has been shown to decrease food intake and body weight, in addition to enhancing glucose tolerance and insulin sensitivity [1].
Targets(IC ₅₀)	Cannabinoid Receptor,AMPK

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.7939 mL	8.9694 mL	17.9388 mL
5 mM	0.3588 mL	1.7939 mL	3.5878 mL
10 mM	0.1794 mL	0.8969 mL	1.7939 mL
50 mM	0.0359 mL	0.1794 mL	0.3588 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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