

GAT564

Chemical Properties

CAS No. :

Formula: C₂₀H₁₆N₂O₂S

Molecular Weight: 348.42

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	GAT564 (Compound 15d) is a highly effective allosteric modulator of the cannabinoid 1 receptor (CB1R), with EC ₅₀ values of 87 nM for cAMP and 320 nM for β-arrestin2. It significantly enhances the binding of orthosteric ligands to hCB1R and exhibits remarkable efficacy as a topical agent, significantly reducing intraocular pressure (IOP) in an ocular normotensive murine model of glaucoma [1].
Targets(IC50)	Cannabinoid Receptor,Others

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.8701 mL	14.3505 mL	28.701 mL
5 mM	0.574 mL	2.8701 mL	5.7402 mL
10 mM	0.287 mL	1.435 mL	2.8701 mL
50 mM	0.0574 mL	0.287 mL	0.574 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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