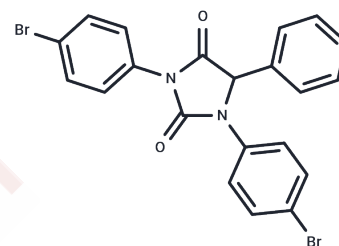


CAY10508

Chemical Properties

CAS No. : 878533-35-8
 Formula: C₂₁H₁₄Br₂N₂O₂
 Molecular Weight: 486.2
 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	CAY10508 is a potent and selective inverse agonist for the central cannabinoid (CB1) receptor with therapeutic potential for treating obesity and drug dependence, lacking psychotropic effects. It exhibits a K_i value of 243 nM and an EC_{50} of 195 nM. At a concentration of 10 μ M, CAY10508 displaces [3H]-CP-55,940 with 100% efficacy at the CB1 receptor and 35% at the peripheral cannabinoid (CB2) receptor. Its inverse agonist activity at the CB1 receptor was confirmed through a [35S]-GTP γ S binding assay.
Targets(IC50)	Cannabinoid Receptor,Others

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.0568 mL	10.2838 mL	20.5677 mL
5 mM	0.4114 mL	2.0568 mL	4.1135 mL
10 mM	0.2057 mL	1.0284 mL	2.0568 mL
50 mM	0.0411 mL	0.2057 mL	0.4114 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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