Data Sheet (Cat.No.T38223)

TargetMol

N-(1-(3,4-Dihydroxyphenyl)propan-2-yl)oleamide

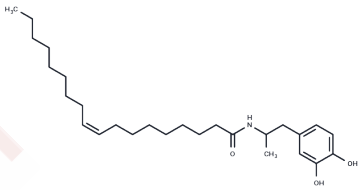
Chemical Properties

CAS No. : 1258011-97-0

Formula: C27H45NO3

Molecular Weight: 431.661

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	N-(1-(3,4-Dihydroxyphenyl)propan-2-yl)oleamide binds to the cannabinoid 1 (CB1) receptor with a Ki value of 365 nM in a radioligand binding assay using rat brain homogenate. It has an EC50 value of 698 nM for the peroxisome proliferator-activated receptor α (PPARα) in a luciferase reporter assay and, in rats, it decreases food intake. It does not inhibit fatty acid amide hydrolase (FAAH).
Targets(IC50)	Cannabinoid Receptor,Others,PPAR

Solubility Information

Solubility	Ethanol: 30 mg/mL (69.5 mM),Sonication is recommended. Ethanol:PBS (pH 7.2) (1:3): 0.25 mg/mL (0.58 mM),Sonication is recommended. DMF: 30 mg/mL (69.5 mM),Sonication is recommended. DMSO: 25 mg/mL (57.92 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.3166 mL	11.5832 mL	23.1664 mL
5 mM	0.4633 mL	2.3166 mL	4.6333 mL
10 mM	0.2317 mL	1.1583 mL	2.3166 mL
50 mM	0.0463 mL	0.2317 mL	0.4633 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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