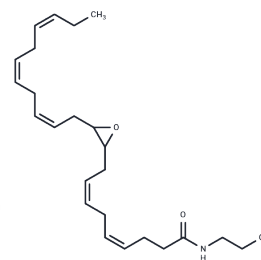


(±)10(11)-EDP Ethanolamide**Chemical Properties**

CAS No. : 2123484-71-7
 Formula: C₂₄H₃₇NO₃
 Molecular Weight: 387.564
 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	(±)10(11)-EDP ethanolamide is an ω-3 endocannabinoid epoxide and cannabinoid (CB) receptor agonist (EC ₅₀ s = 0.43 and 22.5 nM for CB1 and CB2 receptors, respectively). It is produced through direct epoxygenation of docosahexaenoyl ethanolamide by cytochrome P450 (CYP) epoxygenases. 10,11-EDP epoxide (12.5 and 25 μM) reduces the viability of 143B metastatic osteosarcoma cells. It induces apoptosis and inhibits cell migration in a wound-healing assay in 143B, MG63, and HOS osteosarcoma cells. (±)10(11)-EDP ethanolamide also reduces tube formation by human umbilical vein endothelial cells (HUVECs) in a Matrigel assay.
Targets(IC ₅₀)	Others

Solubility Information

Solubility	DMF: 50 mg/mL (129.01 mM), Sonication is recommended. Ethanol: 50 mg/mL (129.01 mM), Sonication is recommended. Ethanol:PBS(pH 7.2) (1:1): 0.5 mg/mL (1.29 mM), Sonication is recommended. DMSO: 50 mg/mL (129.01 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.5802 mL	12.9012 mL	25.8025 mL
5 mM	0.516 mL	2.5802 mL	5.1605 mL
10 mM	0.258 mL	1.2901 mL	2.5802 mL
50 mM	0.0516 mL	0.258 mL	0.516 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

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

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