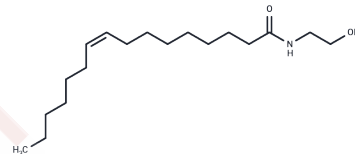


Palmitoleyl Ethanolamide

Chemical Properties

CAS No. :	94421-67-7
Formula:	C ₁₈ H ₃₅ NO ₂
Molecular Weight:	297.5
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	Palmitoleyl Ethanolamide (POEA) is an endogenous fatty acid ethanolamide (FAE) and a member of the endocannabinoid-like family of molecules. It is a derivative of the monounsaturated fatty acid palmitoleic acid. Similar to the well-studied palmitoylethanolamide (PEA) and oleoylethanolamide (OEA), POEA is thought to exert biological effects by modulating peroxisome proliferator-activated receptor α (PPAR- α), G protein-coupled receptors (e.g., GPR119), or through the "entourage effect" by modulating endocannabinoid signaling. It has demonstrated potential activities in anti-inflammation, analgesia, and metabolic regulation.
Targets(IC50)	Others

Solubility Information

Solubility	DMSO: 80 mg/mL (268.91 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	3.3613 mL	16.8067 mL	33.6134 mL
5 mM	0.6723 mL	3.3613 mL	6.7227 mL
10 mM	0.3361 mL	1.6807 mL	3.3613 mL
50 mM	0.0672 mL	0.3361 mL	0.6723 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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