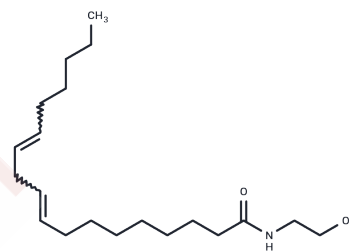


Linoleoyl Ethanolamide

Chemical Properties

CAS No. :	68171-52-8
Formula:	C ₂₀ H ₃₇ N _O ₂
Molecular Weight:	323.51
Storage:	Pure form: -20°C for 3 years In solvent: -80°C for 1 year Actual storage temperature shall be subject to the COA.



Biological Description

Description	Linoleoyl Ethanolamide is an endocannabinoid agent. It acts by binding to TRPV1 increasing ERK phosphorylation and AP-1 dependent transcription in CB-receptor in an independent manner.
Targets(IC50)	Cannabinoid Receptor,TRP/TRPV Channel

Solubility Information

Solubility	DMSO: 25 mg/mL (77.28 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+40% PEG300+5% Tween 80+45% Saline: 2 mg/mL (6.18 mM),Sonication is recommended. <i>Please add the solvents sequentially, clarifying the solution as much as possible before adding the next one. Dissolve by heating and/or sonication if necessary. Working solution is recommended to be prepared and used immediately. The formulation provided above is for reference purposes only. In vivo formulations may vary and should be modified based on specific experimental conditions.</i>

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.0911 mL	15.4555 mL	30.9109 mL
5 mM	0.6182 mL	3.0911 mL	6.1822 mL
10 mM	0.3091 mL	1.5455 mL	3.0911 mL
50 mM	0.0618 mL	0.3091 mL	0.6182 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.

Reference

Agrawal K , Bosviel, Rémy, Piccolo B D , et al. Oral ibuprofen differentially affects plasma and sweat lipid mediator profiles in healthy adult males[J]. Prostaglandins & Other Lipid Mediators, 2018:S1098882317301727.

Mennella I , Di Monaco R , Balazy A , et al. Salivary endocannabinoids and N-acylethanolamines upon mastication of a semisolid food: implications in fat taste, appetite and food liking[J]. Food & Function, 2017:10.1039.C7FO01772C.

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