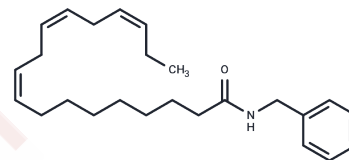


N-Benzyllinolenamide

Chemical Properties

CAS No. :	883715-18-2
Formula:	C ₂₅ H ₃₇ NO
Molecular Weight:	367.57
Storage:	Store at low temperature Powder: -20°C for 3 years In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>



Biological Description

Description	N-Benzyllinolenamide is a natural product. It is an inhibitor of fatty acid amide hydrolase (FAAH, IC ₅₀ of 41.8 μM).
Targets(IC ₅₀)	FAAH, Autophagy

Solubility Information

Solubility	DMSO: 25 mg/mL (68.01 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 (5.44 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	2.7206 mL	13.6029 mL	27.2057 mL
5 mM	0.5441 mL	2.7206 mL	5.4411 mL
10 mM	0.2721 mL	1.3603 mL	2.7206 mL
50 mM	0.0544 mL	0.2721 mL	0.5441 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

Qin Yang , Wenwen Jin , Xueyuan Lv.Effects of macamides on endurance capacity and anti-fatigue property in prolonged swimming mice. Pharm Biol. 2016;54(5):827-34.

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Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481