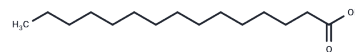


Pentadecanoic acid

Chemical Properties

CAS No. :	1002-84-2
Formula:	C ₁₅ H ₃₀ O ₂
Molecular Weight:	242.40
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	Pentadecylic acid, a saturated fatty acid, consists of a 15-carbon straight chain commonly found in dairy products and some plants and animals, with the molecular formula C ₁₅ H ₃₀ O ₂ . [It has a melting point of 52.4°C (126.3°F)] and is utilized in biochemical research and the synthesis of various compounds.
Targets(IC50)	Apoptosis,ERK,Caspase,Endogenous Metabolite,STAT,JAK,JNK,p38 MAPK,PPAR

Solubility Information

Solubility	DMSO: 14.57 mg/mL (60.11 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 (8.25 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	4.1254 mL	20.6271 mL	41.2541 mL
5 mM	0.8251 mL	4.1254 mL	8.2508 mL
10 mM	0.4125 mL	2.0627 mL	4.1254 mL
50 mM	0.0825 mL	0.4125 mL	0.8251 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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