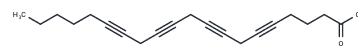


Eicosatetraynoic acid

Chemical Properties

CAS No. :	1191-85-1
Formula:	C ₂₀ H ₂₄ O ₂
Molecular Weight:	296.4
Storage:	Powder: -20°C for 3 years Actual storage temperature shall be subject to the COA.



Biological Description

Description	Eicosatetraynoic acid (ETYA) activates PPAR α and PPAR γ chimeras at 10 μ M. Eicosatetraynoic acid (ETYA) is a nonspecific inhibitor of cyclooxygenase and lipoxygenase (ID ₅₀ =8 μ M and 4 μ M, respectively).
Targets(IC ₅₀)	COX,PPAR,Virus Protease

Solubility Information

Solubility	DMSO: 2 mg/mL (6.75 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	3.3738 mL	16.8691 mL	33.7382 mL
5 mM	0.6748 mL	3.3738 mL	6.7476 mL
10 mM	0.3374 mL	1.6869 mL	3.3738 mL
50 mM	0.0675 mL	0.3374 mL	0.6748 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

- Hammarström S, et al. Selective inhibition of platelet n-8 lipoxygenase by 5,8,11-eicosatriynoic acid. *Biochim Biophys Acta*. 1977 Jun 22;487(3):517-9.
- Kliwer SA, et al. A prostaglandin J₂ metabolite binds peroxisome proliferator-activated receptor gamma and promotes adipocyte differentiation. *Cell*. 1995 Dec 1;83(5):813-9.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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