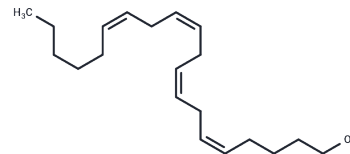


Arachidonyl alcohol

Chemical Properties

CAS No. :	13487-46-2
Formula:	C20H34O
Molecular Weight:	290.48
Appearance:	no data available
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year



Biological Description

Description	Arachidonyl alcohol, a long-chain primary fatty alcohol, serves as a substrate for synthesizing various ether lipids with beneficial functions.
Targets(IC50)	Others
In vitro	Arachidonyl alcohol can be converted from arachidonic acid, then arachidonyl alcohol accumulated inside the cells as a wax ester. Acinetobacter species N-476-2 can effectively convert arachidonic acid to arachidonyl alcohol.

Solubility Information

Solubility	DMSO: 250 mg/mL (860.64 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	3.4426 mL	17.2129 mL	34.4258 mL
5 mM	0.6885 mL	3.4426 mL	6.8852 mL
10 mM	0.3443 mL	1.7213 mL	3.4426 mL
50 mM	0.0689 mL	0.3443 mL	0.6885 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.

Reference

Toshihiro Nagao, et al. Microbial Conversion of Arachidonic Acid to Arachidonyl Alcohol by a New Acinetobacter Species. Journal of the American Oil Chemists' Society volume 89, pages1663-1671(2012)

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Tel:781-999-4286 E_mail:info@targetmol.com Address:36 Washington Street,Wellesley Hills,MA 02481