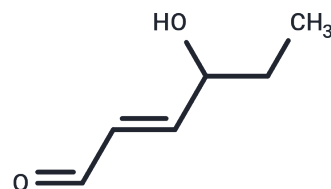


4-hydroxy Hexenal

Chemical Properties

CAS No. :	17427-21-3
Formula:	C ₆ H ₁₀ O ₂
Molecular Weight:	114.14
Appearance:	no data available
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year



Biological Description

Description	4-hydroxy Hexenal is a lipid peroxidation product derived from oxidized ω-3 fatty acids such as DHA. [1][2]
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Solubility Information

Solubility	DMSO: 50 mg/mL DMF: 50 mg/mL Ethanol: 50 mg/mL (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	8.7612 mL	43.8059 mL	87.6117 mL
5 mM	1.7522 mL	8.7612 mL	17.5223 mL
10 mM	0.8761 mL	4.3806 mL	8.7612 mL
50 mM	0.1752 mL	0.8761 mL	1.7522 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

van Kuijk, F.J.G.M., Holte, L.L., and Dratz, E.A. 4-Hydroxyhexenal: A lipid peroxidation product derived from oxidized docosahexaenoic acid. *Biochimica et Biophysica Acta* 1043, 116-118 (1990).

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