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Produktinformation

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- Laborgeräte & Service

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Lieferung & Zahlungsart

siehe unsere Liefer- und Versandbedingungen

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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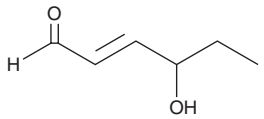
PRODUCT INFORMATION

4-hydroxy Hexenal

Item No. 32060

CAS Registry No.:	17427-21-3
Formal Name:	(±)-4-hydroxy-2E-hexenal
Synonyms:	FAL 6:1;O, 4-HHE
MF:	$C_6H_{10}O_2$
FW:	114.1
Purity:	≥98%
UV/Vis.:	λ_{max}: 220 nm
Supplied as:	A solution in ethanol
Storage:	-80°C
Stability:	≥2 years



Information represents the product specifications. Batch specific analytical results are provided on each certificate of analysis.

Laboratory Procedures

4-hydroxy Hexenal is supplied as a solution in ethanol. To change the solvent, simply evaporate the ethanol under a gentle stream of nitrogen and immediately add the solvent of choice. Solvents such as DMSO and dimethyl formamide purged with an inert gas can be used. The solubility of 4-hydroxy hexenal in these solvents is approximately 50 mg/ml.

4-hydroxy Hexenal is sparingly soluble in aqueous buffers. For maximum solubility in aqueous buffers, the ethanolic solution of 4-hydroxy hexenal should be diluted with the aqueous buffer of choice. The solubility of 4-hydroxy hexenal in PBS (pH 7.2) is approximately 1 mg/ml. We do not recommend storing the aqueous solution for more than one day.

Description

4-hydroxy Hexenal is a lipid peroxidation product derived from oxidized ω-3 fatty acids such as docosahexaenoic acid.[1,2]

References

1. van Kuijk, F.J.G.M., Holte, L.L., and Dratz, E.A. 4-Hydroxyhexenal: A lipid peroxidation product derived from oxidized docosahexaenoic acid. *Biochim. Biophys. Acta* 1043, 116-118 (1990).
2. van Kuijk, F.J.G.M., Siakotos, A.N., Fong, L.G., *et al.* Quantitative measurement of 4-hydroxyalkenals in oxidized low-density lipoprotein by gas chromatography-mass spectrometry. *Anal. Biochem.* 224, 420-424 (1995).

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