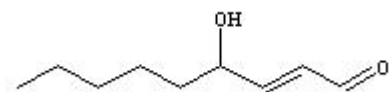


TECHNICAL INFORMATION

Catalog Number: 159148
(±)-4-Hydroxynon-2-enal

Structure:



Molecular Formula: C₉H₁₆O₂

Molecular Weight: 156.2

CAS # 128946-65-6

Physical Description: Clear colorless oil dissolved in hexane (1 mg/100 ul)

Description: Cytotoxic product of microsomal lipid peroxidation induced by xenobiotics.¹ Reported to be a specific chemical indicator of lipid peroxidation in rat liver microsomes² and in myocardial reperfusion injury.³ Covalently reacts with LDL⁴ and HDL⁵ during oxidative modification. Modifies proteins by covalent reaction with histidine and lysine residues.⁶

Solubility: Soluble in ethanol (25 mg/ml). Evaporate hexane with a stream of nitrogen or argon prior to dissolving in ethanol. Compound will react slowly with ethanol. Store at -80°C for up to 1 year.

References:

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