



## CERTIFICATE of ANALYSIS

<b>PRODUCT:</b>	<b>(E)-4-Hydroxynonenal; [HNE]</b> [IκB Inhibitor; 4-HNE] C <sub>9</sub> H <sub>16</sub> O <sub>2</sub> , M.W. 156.2, CAS# [128946-65-6]
<b>PRODUCT NUMBER:</b>	H-1112
<b>LOT NUMBER:</b>	B1902
<b>APPEARANCE:</b>	Liquid
<b>SOLUBILITY:</b>	Soluble in DMSO (washed with nitrogen) or 100% ethanol.
<b>PURITY (HPLC):</b>	≥90.0% (precursor dimethylacetal)
<b>FORMULATION:</b>	Confirms (Solution in n-hexane [5.25 mg in 1.3 ml])
<b>PRODUCT DESCRIPTION:</b>	Among the aldehydes formed, 4-HNE is the major product of lipid peroxidation, and it has been suggested to play a major role in liver toxicity associated with lipid peroxidation. Prevents NF-κB activation and TNF expression by inhibiting IκB phosphorylation and subsequent proteolysis.
<b>STORAGE &amp; HANDLING:</b>	Keep cool and dry at -80°C. Store solutions on ice and use within 6 hours of preparation. Avoid freeze/thaw cycles. Keep under inert gas. <b>PROTECT FROM LIGHT &amp; OXYGEN!</b>

CAUTION: For laboratory research & scientific manufacturing use only. Not for human or drug use. The pharmacological and toxicological properties of this product have not been fully investigated. Use caution when handling. Do not use this compound if you are not fully trained or are unaware of the hazards involved.

Verified: DD