

4-Hydroxynonenal

Cat. No. CEI-0655

Lot. No. (See product label)

Introduction

Description 4-hydroxynonenal is a lipid peroxidation product derived from oxidized ω -6 polyunsaturated fatty acids such as arachidonic acid. 4-HNE is widely used as a marker of lipid peroxidation. It exhibits various biological activities such as cytotoxicity, growth inhibiting activity, genotoxicity, and chemotactic activity. It also inhibits Sirtuin 3 (SIRT3) via thiol-specific modification.

Synonyms 4-HNE

Product Information

Appearance White solid

CAS No. 75899-68-2

Molecular Formula C₉H₁₆ O₂

Molecular Weight 283.92

Purity >97% by TLC

Targets SIRT3

Solubility DMSO (25 mg/ml)

Storage and Shipping Information

Storage -20 centigrade

Shipping Conditions Gel pack