

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