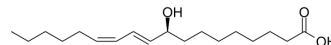


9S-HODE

Cat. No.:	HY-113455
CAS No.:	73543-67-6
Molecular Formula:	C ₁₈ H ₃₂ O ₃
Molecular Weight:	296.44
Target:	Endogenous Metabolite; Apoptosis
Pathway:	Metabolic Enzyme/Protease; Apoptosis
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	9S-HODE (Alpha-dimorphecolic acid) is an octadecadienoic acid and the main active derivative of linoleic acid, which can reduce the viability of HL-60 cells and induce apoptosis. 9S-HODE is rich in lipid peroxidation (LPO) products and is almost an ideal marker for LPO ^{[1][2]} .
IC ₅₀ & Target	Human Endogenous Metabolite

REFERENCES

- [1]. Liu S, et al. Linoleic acid derivatives target miR-361-3p/BTG2 to confer anticancer effects in acute myeloid leukemia. *J Biochem Mol Toxicol*. 2023 Nov;37(11):e23481.
- [2]. Spiteller P, et al. 9-Hydroxy-10, 12-octadecadienoic acid (9-HODE) and 13-hydroxy-9, 11-octadecadienoic acid (13-HODE): excellent markers for lipid peroxidation[J]. *Chemistry and Physics of Lipids*, 1997, 89(2): 131-139.

Caution: Product has not been fully validated for medical applications. For research use only.

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