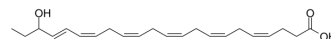


(±)20-HDHA

Cat. No.:	HY-116663
CAS No.:	90906-41-5
Molecular Formula:	C ₂₂ H ₃₂ O ₃
Molecular Weight:	344.49
Target:	Endogenous Metabolite
Pathway:	Metabolic Enzyme/Protease
Storage:	Solution, -20°C, 2 years



BIOLOGICAL ACTIVITY

Description	(±)20-HDHA ((±)20-HDoHE) is a racemic mixture and is an autoxidation product of Docosahexaenoic acid (DHA). (±)20-HDHA is also formed by peroxidation process in human platelets and rat brain homogenate ^{[1][2][3]} .
In Vitro	Numerous reports demonstrate the beneficial effects of fish oil on human diseases such as arthritis, Alzheimer's disease, lung fibrosis, and inflammatory bowel diseases. As an essential omega-3 polyunsaturated fatty acid, Docosahexaenoic acid (DHA) is a major component of fish oil ^[3] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

- [1]. VanRollins M, et al. Autooxidation of docosahexaenoic acid: analysis of ten isomers of hydroxydocosahexaenoate. J Lipid Res. 1984 May;25(5):507-17.
- [2]. Kim HY, et al. Stereochemical analysis of hydroxylated docosahexaenoates produced by human platelets and rat brain homogenate. Prostaglandins. 1990 Nov;40(5):473-90.
- [3]. Hong S, et al. Resolvin D1, protectin D1, and related docosahexaenoic acid-derived products: Analysis via electrospray/low energy tandem mass spectrometry based on spectra and fragmentation mechanisms. J Am Soc Mass Spectrom. 2007 Jan;18(1):128-44.

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

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