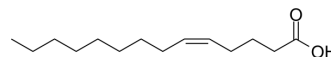


cis-5-Tetradecenoic acid

Cat. No.:	HY-113347
CAS No.:	5684-70-8
Molecular Formula:	C ₁₄ H ₂₆ O ₂
Molecular Weight:	226.36
Target:	Endogenous Metabolite
Pathway:	Metabolic Enzyme/Protease
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	cis-5-Tetradecenoic acid is an endogenous metabolite present in Blood that can be used for the research of Long Chain 3 Hydroxyacyl CoA Dehydrogenase Deficiency ^{[1][2]} .
In Vitro	Endogenous metabolites is defined as those that are annotated by Kyoto Encyclopedia of Genes and Genomes as substrates or products of the ~1900 metabolic enzymes encoded in our genome. It is clear in the body of literature that there are documented toxic properties for many of these metabolites ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Divry P, et al. Determination of total fatty acids in plasma: cis-5-tetradecenoic acid (C14:1 omega-9) in the diagnosis of long-chain fatty acid oxidation defects. J Inherit Metab Dis. 1999 May;22(3):286-8.

[2]. Lee N, et al. Endogenous toxic metabolites and implications in cancer therapy. Oncogene. 2020 Aug;39(35):5709-5720.

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

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