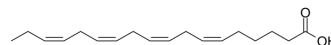


Stearidonic acid

Cat. No.:	HY-113120
CAS No.:	20290-75-9
Molecular Formula:	C ₁₈ H ₂₈ O ₂
Molecular Weight:	276.41
Target:	Endogenous Metabolite
Pathway:	Metabolic Enzyme/Protease
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description

Stearidonic acid (6Z,9Z,12Z,15Z-Octadecatetraenoic acid) is an intermediate fatty acid in the biosynthetic pathway from α -linolenic acid to VLC ω -3 PUFA. The conversion efficiency of stearidonic acid is higher than that of alpha-linolenic acid. Increasing the intake of stearidonic acid can increase the content of eicosapentaenoic acid (EPA) in red blood cells. Stearidonic acid can also be isolated from methanolic extracts of the brown alga *Brachyphyllum gracilis*^{[1][2]}.

REFERENCES

[1]. Walker CG, et al. Stearidonic acid as a supplemental source of ω -3 polyunsaturated fatty acids to enhance status for improved human health. *Nutrition*. 2013 Feb;29(2):363-9.

[2]. Kakisawa H, et al. An allelopathic fatty acid from the brown alga *Cladosiphon okamuranus*[J]. *Phytochemistry*, 1988, 27(3): 731-735.

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

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