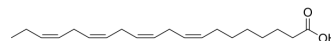


ω-3 Arachidonic acid

Cat. No.:	HY-125140
CAS No.:	24880-40-8
Molecular Formula:	C ₂₀ H ₃₂ O ₂
Molecular Weight:	304.47
Target:	Others
Pathway:	Others
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description

ω-3 Arachidonic acid is a poly fatty acid that is essential for growth and development in infants. ω-3 Arachidonic acid inhibits arachidenol-CoA synthetase with K_i values of 14 μM. It also inhibited arachidenol-CoA synthetase of calf brain extract with IC₅₀ values of about 5 μM^{[1][2]}.

REFERENCES

- [1]. Simopoulos AP. Omega-3 fatty acids in health and disease and in growth and development. Am J Clin Nutr. 1991 Sep;54(3):438-63.
- [2]. Neufeld EJ, et al. Fatty acid structural requirements for activity of arachidonoyl-CoA synthetase. J Lipid Res. 1984 Mar;25(3):288-93.

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

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