

6(Z),9(Z),12(Z),15(Z),18(Z),21(Z)-Tetracosahexaenoic Biochemical

6 (Z),9 (Z),12 (Z),15 (Z),18 (Z),21 (Z)-Tetracosahexaenoic Acid

CATALOG #
AAA60457

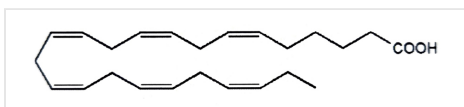
PRODUCT SYNONYMS

6(Z); 9(Z); 12(Z); 15(Z); 18(Z); 21(Z)-Tetracosahexaenoic; 6 (Z); 9 (Z); 12 (Z); 15 (Z); 18 (Z); 21 (Z)-Tetracosahexaenoic Acid; Tetracosahexaenoic acid; 6; 9; 12; 15; 18; 21-Tetracosahexaenoic acid all Z; 21(Z)-Tetracosahexaenoic biochemical

PRODUCT SPECIFICATIONS

Purity/Purification	>99%
Form/Format	Supplied In Solution; Physical State: Liquid
Molecular Formula	C ₂₄ H ₃₆ O ₂
CAS Number	68378-49-4
Solution	Ethanol
Solvent	95% ethanol
Molecular formula	C ₂₄ H ₃₆ O ₂
Smiles	O=C(O)CCCC=CCC=CCC=CCC=CCC=CCC=CCC
Isomeric Smiles	C(C=CCC=CCC=CCC=CCC=CCC)C=CCCCC(O)=O
InChI	InChI=1S/C24H36O2/c1-2-3-4-5-6-7-8-9-10-11-12-13-14-15-16-17-18-19-20-21-22-23-24(25)26/h3-4,6-7,9-10,12-13,15-16,18-19H,2,5,8,11,14,17,20-23H2,1H3,(H,25,26)/b4-3-,7-6-,10-9-,13-12-,16-15-,19-18-
InChIKey	InChIKey=YHGJECVSSKXFCJ-KUBAVDMBSA-N
Lipid Number	C24:6
Purity Note	The purity was determined by GC-MS analysis of the methyl ester derivative, Column: 5% phenylmethylsiloxane (12 m, 0.33 um film thickness). Carrier gas: helium. Column temperature: 120°C, raised at 10°C/min until 320°C. Analysis was also carried out using GLC-FID and a ZB-5HT capillary column (30 m, 0.1 um film thickness) and the same temperature program.
Preparation and Storage	Store in freezer.

IMAGES



Structure

ADDITIONAL INFORMATION

Related Product Information for
6(Z),9(Z),12(Z),15(Z),18(Z),21(Z)-
Tetracosahexaenoic biochemical

Identity

The identity of the material is based on its mode of preparation and confirmed by the mass spectrum recorded on the methyl ester derivative showing prominent ions at e. g. m/z 370 (M⁺), 341 (M⁺ - C₂Hs), 301 (M⁺ - CH₂-CH=CH-C₂Hs). The a-ion appeared at m/z 194 (cleavage at C-1 1/12. As expected, incubation with soybean lipoxygenase-1 resulted in the formation of 19-hydroperoxy-6,9, 12,15,17,21-tetracosahexaenoic acid.

Product Categories/Family for
6(Z),9(Z),12(Z),15(Z),18(Z),21(Z)-
Tetracosahexaenoic biochemical

100 Fatty Acids; 120 Unsaturated; 122 Polyunsaturated (PUFA)

NCBI AND UNIPROT INFORMATION

Molecular Weight 356.54

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/biochemical/6-z-9-z-12-z-15-z-18-z-21-z-tetracosahexaenoic/60457>