# INDOFINE Chemical Company, Inc.

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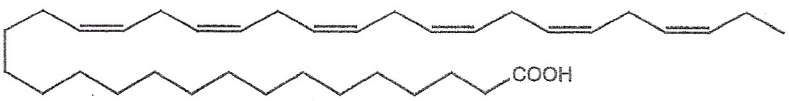
**18(*Z*),21(*Z*),24(*Z*),27(*Z*),30(*Z*),33(*Z*)-Hexatriacontahexaenoic acid**

CAS No.: 105514-46-3
Molecular formula: $C_{36}H_{60}O_2$
MW: 524.86




Amount: 1 mg
Solvent: 95% ethanol
Volume: 0.5 mL
Cat. no.: 10-3606
Batch No.: LX-511
Storage: in freezer
QC date: Aug 2025
Expiry date: Aug 2027

**Identity**

The identity of the material is based on its mode of preparation and on the mass spectrum recorded on the methyl ester derivative showing *e.g. m/z* 538 ($M^+$), 507 ($M^+$ - $OCH_3$) and 469 ($M^+$ - $CH_2$-CH=CH-$C_2H_5$) (attached).

**Purity**

>98%. The purity was determined by GC-MS analysis of the methyl ester derivative using a capillary column of 5% phenylmethylsiloxane (carrier gas, helium; temperature raised at a rate of 10°C/min starting at 80°C). As noted in previous studies, this and other very long chain DHA derivatives elute with severe tailing on GLC (GC-MS analysis attached). A single spot appeared on TLC analysis using ethyl acetate-hexane-acetic acid (10:90:0.5, v/v/v) as the mobile phase. The plate was sprayed with phospomolybdic acid and developed by heating at 120°C.

Prepared by:
*Ramesh Mandadi*
Ramesh Mandadi
Director of Operations

Reviewed and Approved by:
*Sujata Moton*
Sujata Moton
VP

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File :D:\MassHunter\Data\MH3\test475.D
Operator :
Acquired :
Instrument : GC-MS-Kemi2_OnLine
Sample Name:
Misc Info :
Vial Number: 1

Catalog No.: 10-3606
Product Name: Hexatriacontahexaenoic acid
Lot No.: LX-511

