Product Data Sheet

Product Name: CAY10632
Cat. No.: GC18868

Chemical Properties

Cas. No.	105517-82-6		
Chemical Name	14Z,17Z,20Z,23Z,26Z,29Z-dotriacontahexaenoic acid		
SMILES	CC/C=C\C/C=C\C/C=C\C/C=C\C/C=C\C/C=C\CCCCCCCCCCCCCC(O)=O		
Formula	$C_{32}H_{52}O_2$	M.Wt	468.8
Solubility	0.15 M Tris-HCl pH 8.5: .5 mg/ml,DMF: 50 mg/ml,DMSO: 50 mg/ml,Ethanol: 50 mg/ml	Storage	Store at -20°C
General tips	For obtaining a higher solubility , please warm the tube at 37 ℃ and shake it in the ultrasonic bath for a while.Stock solution can be stored below -20℃ for several months.		
Shipping Condition	Evaluation sample solution : ship with blue ice All other available size: ship with RT , or blue ice upon request.		
Structure	CAY10632		

Background

Very long chain polyunsaturated fatty acids (VLCPUFA) are present in retina, sperm, and brain. Though little is known of their biosynthesis or functional roles in these tissues, recent studies using the elongation of very long-chain FA-4 protein suggest a unique role for VLCPUFA in retinal development and macular degeneration. CAY10632 is a C32:6 VLCPUFA whose specific biological actions are largely unknown, but are thought to involve normal photoreceptor cell function in the retina.

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