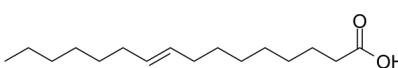


Certificate of Analysis

Catalog Number	BP14085
Product Name	Palmitelaidic Acid

Physical and Chemical Properties

Synonyms	9-trans-Hexadecenoic acid, trans-Palmitoleic acid
CAS No.	10030-73-6
Chemical Formula	C ₁₆ H ₃₀ O ₂
Molecular Weight	254.414
Solubility	Ethanol: 100 mg/mL (393.07 mM), Need ultrasonic
Storage	Powder: -20°C for 2 years In solvent: -80°C for 1 year
Chemical Structure OR Tested Image	

Product Information

Description	Palmitelaidic Acid is one of the most abundant fatty acids in serum and tissue.
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In vivo	palmitoleic acid down-regulated mRNA expressions of proinflammatory adipocytokine genes (TNF α and resistin) in white adipose tissue and lipogenic genes (SREBP-1, FAS, and SCD-1) in liver.
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Analytical Data

HPLC	Shows Min >99% purity
H-NMR	Consistent with structure
Stability and Solubility Advice	Information on product stability, especially in solution, has rarely been reported and in most cases we can only provide a general guideline. We recommend that once the stock solution has been prepared, it be stored in equal quantities in sealed vials and used within 1 month. Avoid repeated freezing and thawing cycles. Storage conditions for some special products should be referred to their storage details.

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