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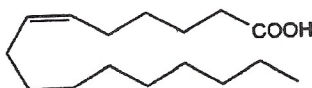
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6(Z)-Hexadecenoic acid (Sapienic acid)

CAS No.: 17004-51-2

Molecular formula: $C_{16}H_{30}O_2$

MW: 254.41



Amount: 5 mg

Solvent: 95% ethanol

Volume: 0.5 mL

Cat. no.: 10-1606

Lot No.: LX-493

Storage: in freezer

Expiry date: January 2025

Identity

The identity of the material is based on its mode of preparation and on the mass spectrum of the methyl ester derivative showing *e.g.* a molecular ion at m/z 268 (attached). Oxidative ozonolysis performed on the methyl ester yielded a 1:1 mixture of methyl hydrogen adipate and decanoic acid, thus proving the double bond location at Δ^6 .

Purity

>99%. The purity was determined by GC-MS analysis of the methyl ester derivative using a capillary column of 5% phenylmethylsiloxane (12 m, 0.33 μ m film thickness, carrier gas: helium). The temperature was raised from 80°C to 300°C at a rate of 10°C/min (GC-MS analysis attached).

Prepared by:

Ramesh Mandadi

Ramesh Mandadi

Director of Operations

Reviewed and Approved by:

Sujata Moton

Sujata Moton

VP

File :D:\MassHunter\Data\MH3\test295.D
Operator :
Acquired : 16 Jan 2020 11:48 using AcqMethod SCAN-MH.M
Instrument : GC-MS-Kemi2_OnLine
Sample Name:
Misc Info :
Vial Number: 1

