



# INDOFINE Chemical Company, Inc.

121 Stryker Lane, Bldg. 30, Suite 1 • Hillsborough, NJ 08844 • U.S.A.

Phone: (908) 359-6778 • FAX: (908) 359-1179

website: [www.indofinechemical.com](http://www.indofinechemical.com)

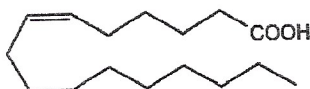
e-mail: [chemical@indofinechemical.com](mailto:chemical@indofinechemical.com)

## 6(Z)-Hexadecenoic acid (Sapienic acid)

CAS No.: 17004-51-2

Molecular formula: C<sub>16</sub>H<sub>30</sub>O<sub>2</sub>

MW: 254.41



Amount: 5 mg. Colorless oil, solid at 0°C

Cat. no.: 10-1606

Lot No.: LX-741

Storage: in freezer

### 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<sup>6</sup>.

### 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 μm film thickness, carrier gas: helium). The temperature was raised from 80°C to 320°C at a rate of 10°C/min. Analysis by GLC-FID was carried out using a ZB-5HT capillary column (30 m, 0.1 μm film thickness) and the same temperature program (analyses attached).

Prepared by:

Ramesh Mandadi

Ramesh Mandadi

Director of Operations

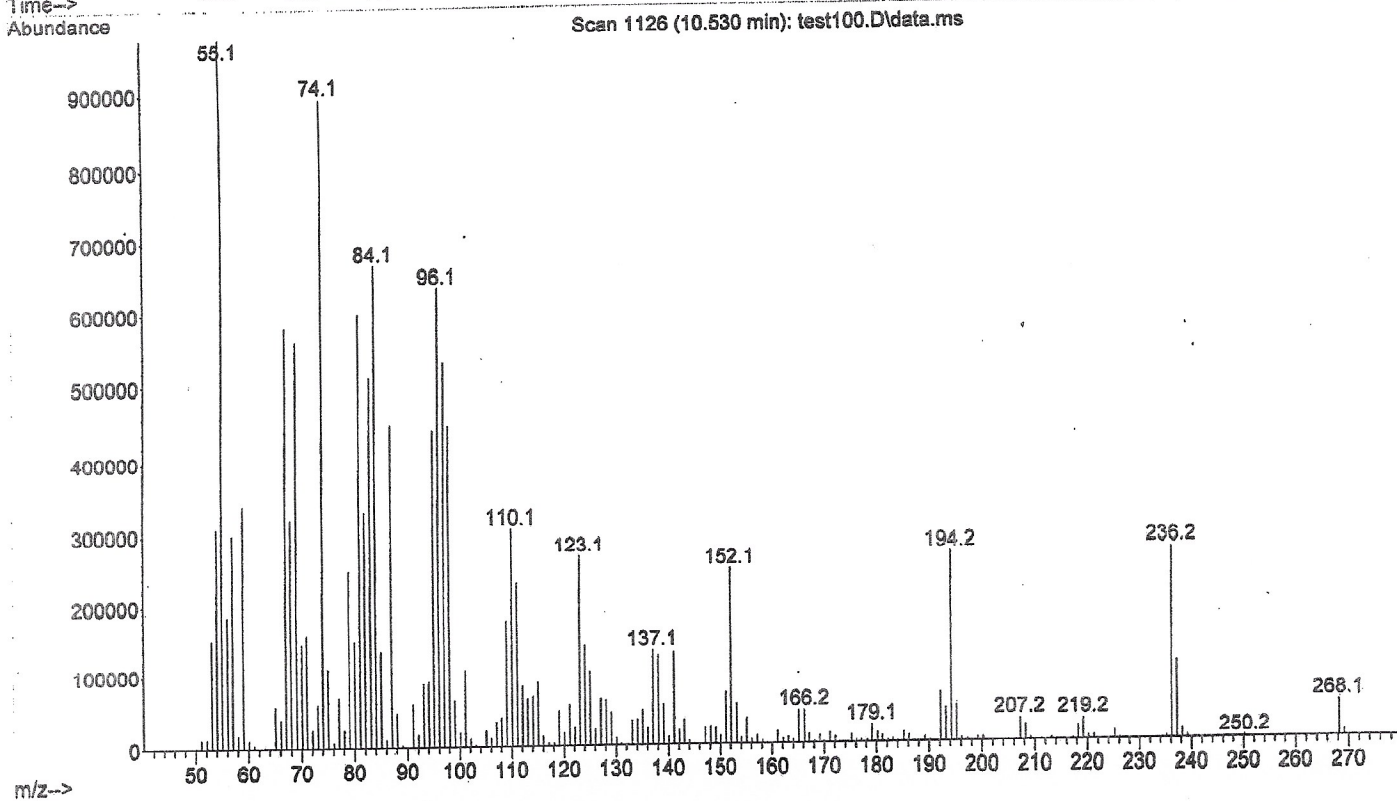
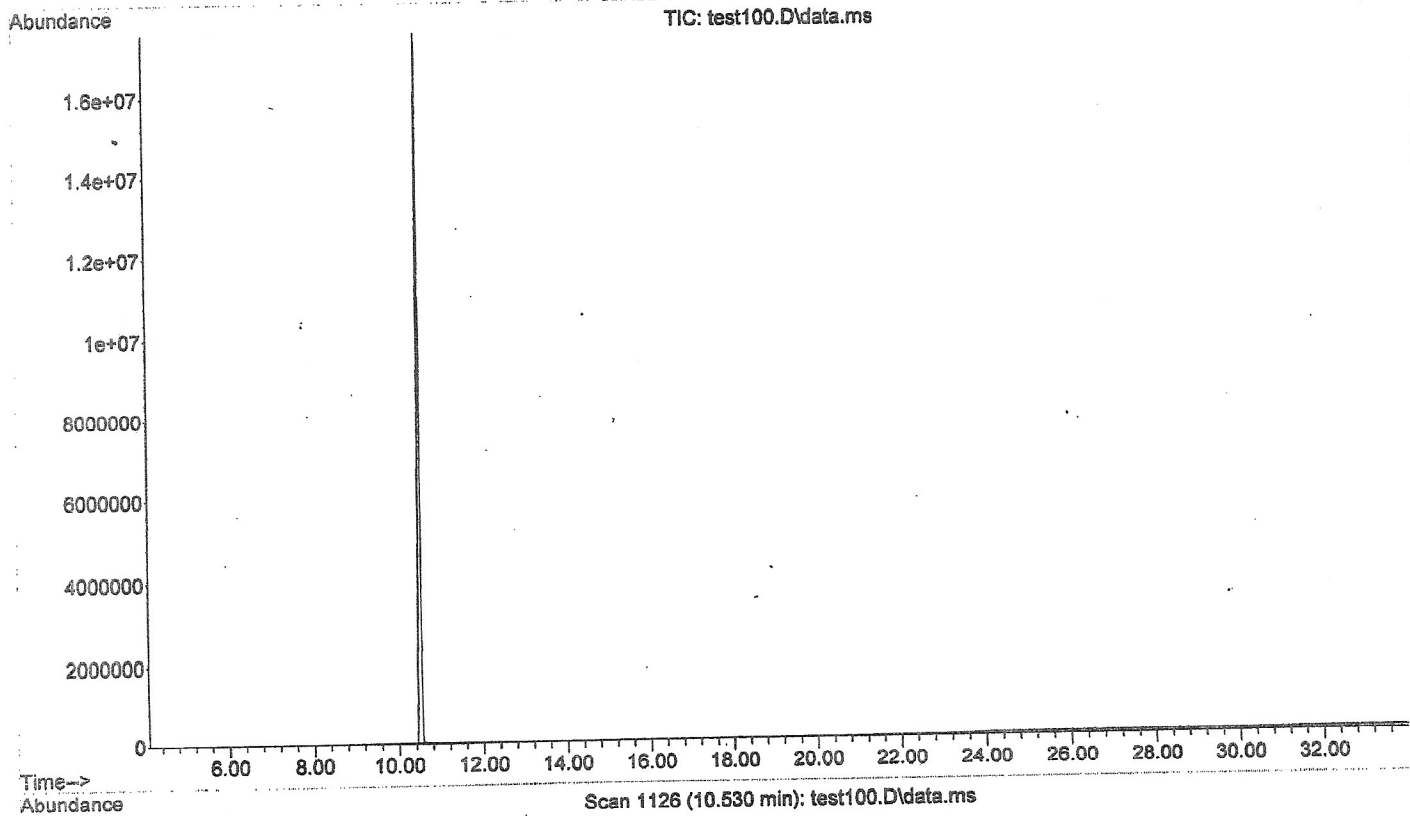
Reviewed and Approved by:

Sujata Moton

Sujata Moton

VP

File :D:\MassHunter\Data\MH5\test100.D  
Operator :  
Acquired :  
Instrument : GC-MS-Kem12\_OnLine using AcqMethod SCAN80.M  
Sample Name:  
Misc Info :  
Vial Number: 1





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## Area Percent Report

Data Path : D:\MassHunter\Data\MH5\  
Data File : test100.D

Operator :  
Sample :  
Misc :  
ALS Vial : 1 Sample Multiplier: 1

Integration Parameters: autoint1.e  
Integrator: ChemStation

Method : D:\MassHunter\GCMS\2\METHODS\DEFAULT.M  
Title :

Signal : TIC: test100.D\data.ms

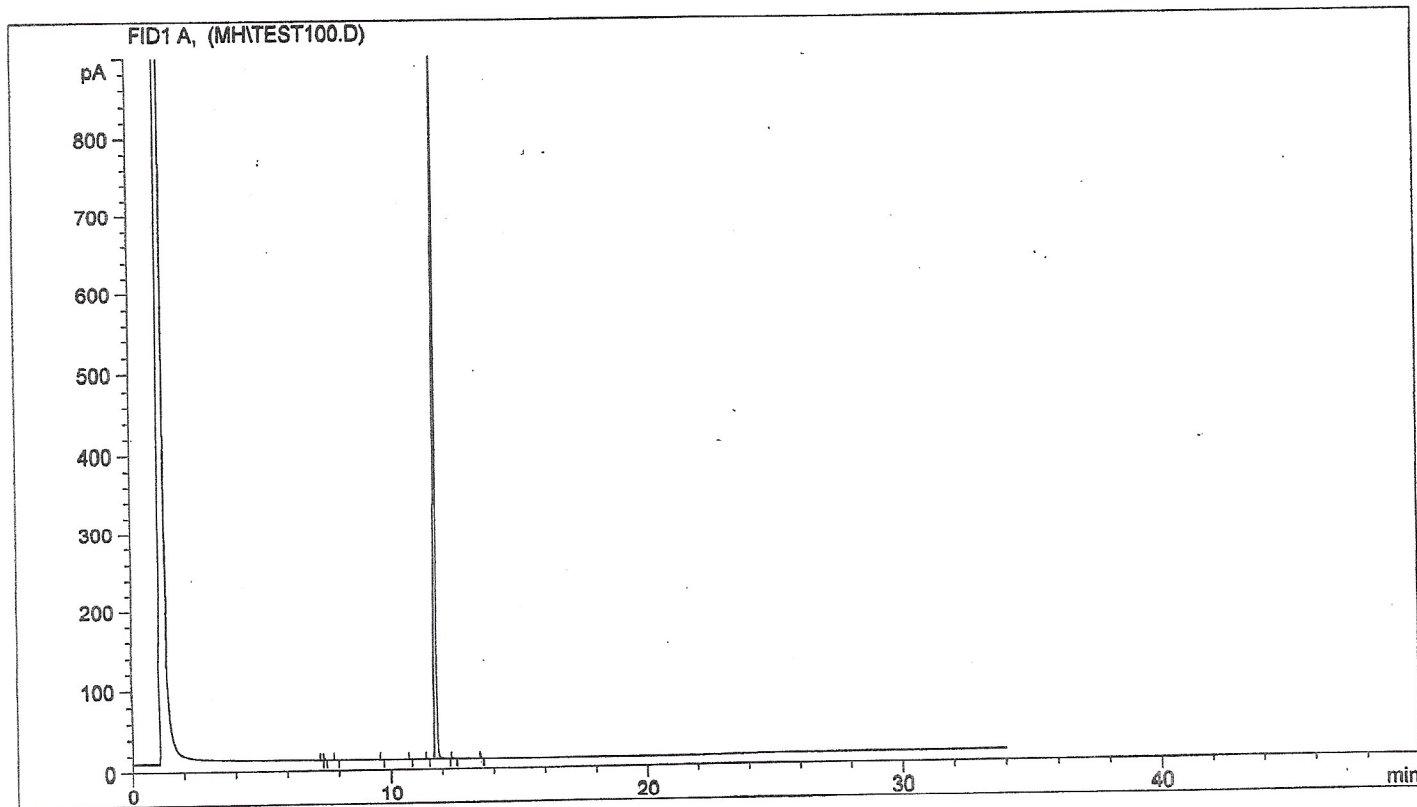
peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	6.449	406	413	428	PV 2	21151	354959	0.06%	0.062%
2	10.545	1103	1129	1155	BV	18074568	568208427	100.00%	99.845%
3	11.119	1221	1229	1236	VV 2	14159	253251	0.04%	0.045%
4	12.148	1402	1409	1418	BV 6	11405	272667	0.05%	0.048%

Sum of corrected areas: 569089304

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

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

=====  
Acq. Operator : MH  
Acq. Instrument : Instrument 1  
Location : Vial 2  
Inj : 1  
Inj Volume : Manually  
Method : C:\CHEM32\1\METHODS\MH80-10.M



=====  
Area Percent Report  
=====

Sorted By : Signal  
Multiplier : 1.0000  
Dilution : 1.0000  
Use Multiplier & Dilution Factor with ISTDs

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	7.331	BV	0.0288	1.37292	7.93378e-1	0.03120
2	7.439	VB	0.0296	3.81456	2.14876	0.08668
3	7.877	BB	0.0312	6.55673e-1	3.50329e-1	0.01490
4	9.646	BB	0.0339	3.81928e-1	2.03808e-1	0.00868
5	10.743	BB	0.0398	9.92291e-1	4.16568e-1	0.02255
6	11.431	BB	0.0425	4.72050e-1	1.80456e-1	0.01073
7	11.806	BB	0.0647	4378.25049	969.11700	99.48896
8	12.411	BB	0.0484	4.91272	1.69018	0.11163
9	13.484	BB	0.0331	9.88721	4.60430	0.22467

Totals : 4400.73984 979.50479