



# INDOFINE Chemical Company, Inc.

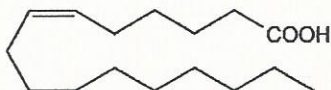
121 Stryker Lane, Bldg. 30, Suite 1 • Hillsborough, NJ 08844 • U.S.A.

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)



Amount: 5 mg

Solvent: 95% ethanol

Volume: 0.5 mL

Cat. no.: 10-1606

Lot No.: LX-348

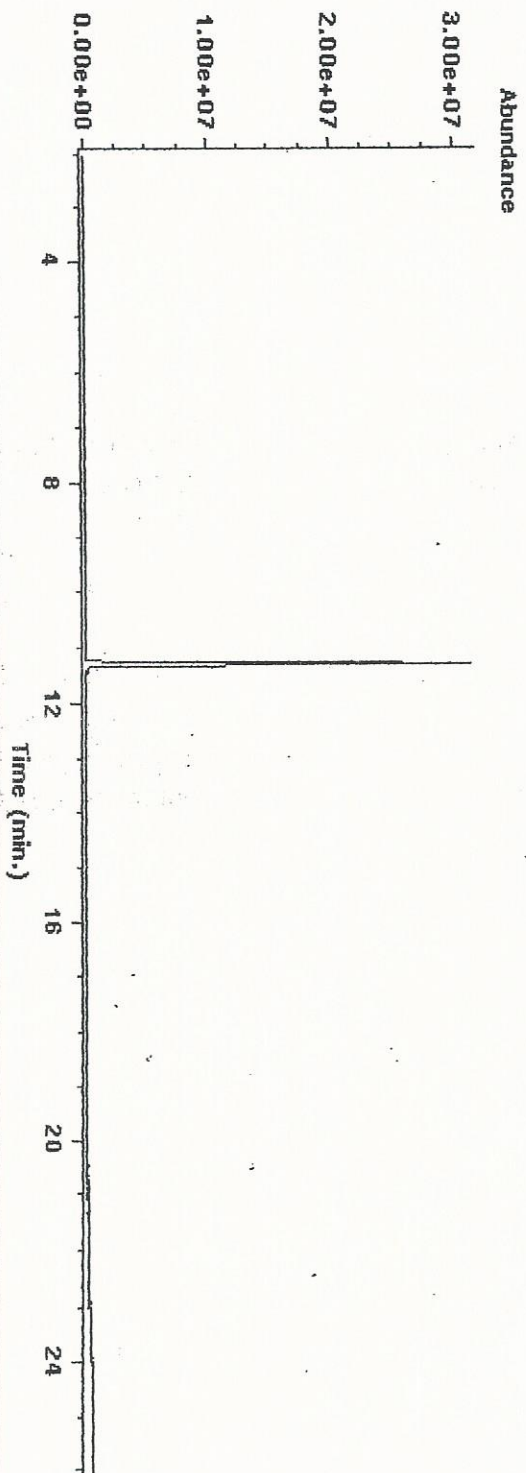
### Identity

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  $\Delta^6$ .

### Purity

>98%. The purity was determined by GC-MS analysis of the methyl ester derivative using a capillary column of 5% phenylmethylsiloxane (12 m, 0.33  $\mu\text{m}$  film thickness, carrier gas: helium). The temperature was raised from 120°C to 320°C at a rate of 10°C/min (GC-MS analysis attached).

TIC of 10-1606.d



Scan 598 (11.290 min) of 10-1606.d

