



# INDOFINE Chemical Company, Inc.

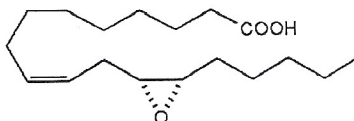
121 Stryker Lane, Bldg. 30, Suite 1 • Hillsborough, NJ 08844 • U.S.A.

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)

## (-)-Vernolic acid [12(*R*),13(*S*)-epoxy-9(*Z*)-octadecenoic acid]



Amount: 5 mg

Solvent: Ethanol

Volume: 0.5 mL

Cat. no.: 12-1863

Lot no.: LX-388

Expiration date: Nov, 2024

### Identity

The identity of the material is based on its mode of preparation and on the mass spectrum recorded on the methyl ester derivative (attached). In agreement with the 12(*R*),13(*S*) stereoconfiguration, polarimetric analysis of the methyl ester showed  $[\alpha]_D = -2.6^\circ$  (c 4.7, hexane). See Ziegler, J. *et al.* Lipids 34:1005-1015 (1999).

### 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). The carrier gas was helium and the column temperature was raised from 120°C to 320°C at 10°C/min (chromatogram attached).

Prepared by:

Ramesh Mandadi

Ramesh Mandadi

Director of Operations

Reviewed and Approved by:

Sujata Moton

Sujata Moton

VP



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File : D:\MassHunter\Data\MH1\14-1802-16c.D  
Operator :  
Acquired : 12 Jun 2018 15:29 using AcqMethod SCAN-MH.M  
Instrument : GC-MS-Kem12\_OnLine  
Sample Name:  
Misc Info :  
Vial Number: 1

