

INDOFINE Chemical Company, Inc.

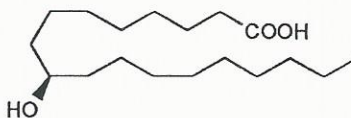
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9(*R*)-Hydroxyoctadecanoic acid



Crystalline white solid m.p. 84°C

Amount: 25 mg

Cat. No.: 14-1809

Lot No.: LS-100

Identity

The identity of the material is based on its mode of preparation and on the mass spectrum recorded on the methyl ester-trimethylsilyl ether derivative (attached).

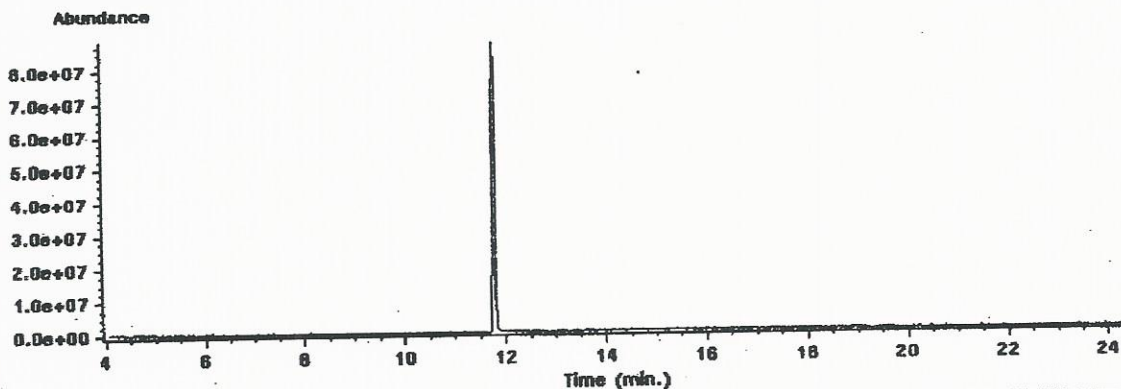
Purity

>99%. The purity was determined by GC-MS analysis of the methyl ester-trimethylsilyl ether derivative using a capillary column of 5% phenylmethylsiloxane (12 m, 0.33 μm film thickness). Carrier gas: helium. Column temperature: 120°C, raised at 10°C/min until 260°C.

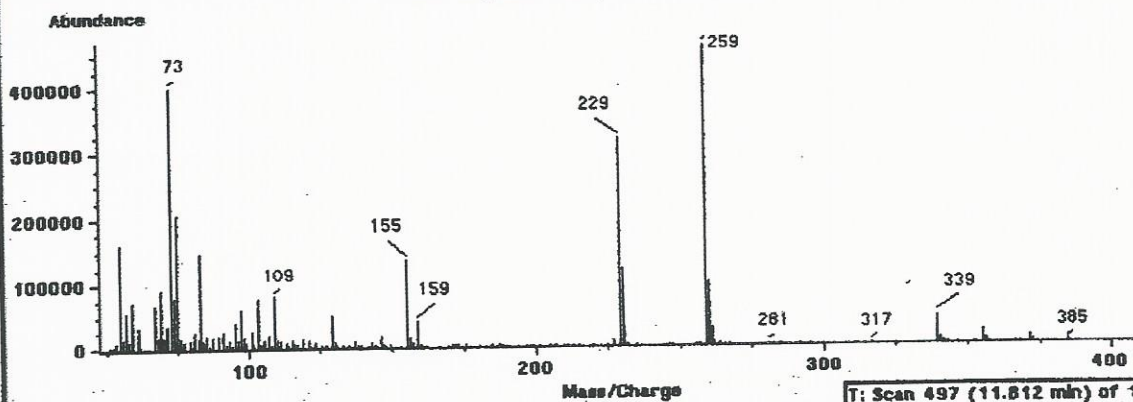
Stereochemistry

14-1800-2 is prepared from natural dimorphecolic acid (9-hydroxy-10,12-octadecadienoic acid), which has been assigned the 9D configuration; see Applewhite, T.H. *et al.* (1965) *J. Chem. Soc., Chem. Commun.*, 255-256. Because of the rules of the Cahn-Ingold-Prelog system for stereochemical notation, C-9 of the unsaturated dimorphecolic acid is "*S*" whereas the corresponding carbon in the saturated 9-hydroxyoctadecanoic acid is "*R*".

TIC of 14-1800-2.d



Scan 492 (11.733 min) of 14-1800-2.d



T: Scan 497 (11.812 min) of 14-
Z: TIC of 14-1800-2.d
Y: Scan 494 (11.784 min) of 14-
X: Scan 492 (11.733 min) of 14-