



>>Entry Name: 17-Octadecynoic acid, 9CI

CAS Registry Number: 34450-18-5

$\text{HC}\equiv\text{C}(\text{CH}_2)_{15}\text{COOH}$

Molecular Formula: $\text{C}_{18}\text{H}_{32}\text{O}_2$

Molecular Weight: 280.45

Accurate Mass: 280.24023

Percentage Composition: C 77.09%; H 11.50%; O 11.41%

Melting Point: Mp 67°

Sigma: O8382

>>Derivative: Me ester

CAS Registry Number: 68950-90-3

Molecular Formula: $\text{C}_{19}\text{H}_{34}\text{O}_2$

Molecular Weight: 294.476

Accurate Mass: 294.25588

Percentage Composition: C 77.50%; H 11.64%; O 10.87%

Physical Description: Oil or cryst.

Melting Point: Mp 29°

References:

Barve, J.A. *et al.*, *Chem. Phys. Lipids*, 1971, **7**, 311-323, (*synth*)

Frost, D.J. *et al.*, *Chem. Phys. Lipids*, 1975, **15**, 53-85, (*pmr*)

Gunstone, F.D. *et al.*, *Chem. Phys. Lipids*, 1976, **17**, 1-13, (*cmr*)

Knapp, F.F. *et al.*, *J. Med. Chem.*, 1984, **27**, 94-97, (*synth, pmr, ir, ms*)

Augustin, K.E. *et al.*, *Annalen*, 1991, 1037-1040, (*synth*)

Menger, F.M. *et al.*, *J.A.C.S.*, 1993, **115**, 6600-6608, (*synth, pmr, cmr*)