



>>Entry Name: Heneicosanoic acid, 9CI

CAS Registry Number: 2363-71-5

Related CAS Registry Numbers(s): 28898-67-1 59252-40-3

$\text{H}_3\text{C}(\text{CH}_2)_{19}\text{COOH}$

Molecular Formula: $\text{C}_{21}\text{H}_{42}\text{O}_2$

Molecular Weight: 326.562

Accurate Mass: 326.31848

Percentage Composition: C 77.24%; H 12.96%; O 9.80%

Biological Source: Isol. from wood of *Ulex europaeus*, bark of *Pinus contorta*, from *Shorea maranti*, olive oil (*Olea europaea*) etc.

Physical Description: Needles (Me_2CO)

Melting Point: Mp 73-74°

Solubility: BERDY SOL: Sol. Me_2CO , hexane; poorly sol. H_2O

Aldrich: 21966-5

Fluka: 51530

Sigma: H5149

>>Derivative: Me ester

CAS Registry Number: 6064-90-0

Molecular Formula: $\text{C}_{22}\text{H}_{44}\text{O}_2$

Molecular Weight: 340.588

Accurate Mass: 340.33413

Percentage Composition: C 77.58%; H 13.02%; O 9.40%

Melting Point: Mp 48-50°

Boiling Point: Bp₄ 207°

Aldrich: 29904-9

Fluka: 51535

Sigma: H3265

References:

Aldrich Library of ^{13}C and ^1H FT NMR Spectra, 1992, **1**, 758B; 927B, (*nmr*)

Aldrich Library of FT-IR Spectra, 1st edn., 1985, **1**, 486B, (*ir*)

Aldrich Library of FT-IR Spectra: Vapor Phase, 1989, **3**, 632C, (*ir*)

Le Sueur, H.R. *et al.*, *J.C.S.*, 1915, **107**, 736, (*synth*)

Cocker, W. *et al.*, *Perfum. Essent. Oil Res.*, 1963, **54**, 235 442, (*isol*)

Org. Synth., 1981, **60**, 11, (*synth*)