



>>Entry Name: 11-Hydroxyundecanoic acid, 9CI

CAS Registry Number: 3669-80-5

HOCH₂(CH₂)₉COOH

Molecular Formula: C₁₁H₂₂O₃

Molecular Weight: 202.293

Accurate Mass: 202.156895

Percentage Composition: C 65.31%; H 10.96%; O 23.73%

Physical Description: Needles (H₂O)

Melting Point: Mp 65-66°. Mp 76°

Boiling Point: Bp₄ 148-150°

>>Derivative: Me ester

CAS Registry Number: 24724-07-0

Molecular Formula: C₁₂H₂₄O₃

Molecular Weight: 216.32

Accurate Mass: 216.172545

Percentage Composition: C 66.63%; H 11.18%; O 22.19%

Melting Point: Mp 27-27.5°

Boiling Point: Bp₈ 168-169°

>>Derivative: Ac

Molecular Formula: C₁₃H₂₄O₄

Molecular Weight: 244.33

Accurate Mass: 244.16746

Percentage Composition: C 63.91%; H 9.90%; O 26.19%

Melting Point: Mp 34°

Boiling Point: Bp₂ 184-185°

References:

Chuit, P. *et al.*, *Helv. Chim. Acta*, 1929, **12**, 476

Lycan, W.H. *et al.*, *J.A.C.S.*, 1929, **51**, 628, (*synth*)

Tamao, K. *et al.*, *J.A.C.S.*, 1978, **100**, 2268, (*synth*)

Ruddick, C.L. *et al.*, *Synthesis*, 1996, 1359, (*Me ester*)