



>>Entry Name: Hexadecyl hexadecanoate

Synonym(s): Hexadecyl palmitate. Cetyl palmitate. Cetin

CAS Registry Number: 540-10-3

$\text{H}_3\text{C}(\text{CH}_2)_{14}\text{COO}(\text{CH}_2)_{15}\text{CH}_3$

Molecular Formula: $\text{C}_{32}\text{H}_{64}\text{O}_2$

Molecular Weight: 480.856

Accurate Mass: 480.49063

Percentage Composition: C 79.93%; H 13.41%; O 6.65%

Biological Source: Constit. of plant and animal waxes

Physical Description: Cryst. (Et_2O or AcOH)

Melting Point: Mp 54°

Hazard & Toxicity: Skin irritant

Aldrich: 38833-5

Sigma: P0169

References:

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

Iyengar, B.T.R. *et al.*, *Lipids*, 1969, **4**, 28, (*synth*)

Aasen, A.J. *et al.*, *Lipids*, 1971, **6**, 502, (*ms*)

Marosi, L. *et al.*, *Annalen*, 1973, 584, (*props, cryst struct*)