>>**Entry Name: Hexadecyl octadecanoate**
Synonym(s): Hexadecyl stearate. Cetyl stearate

CAS Registry Number: 1190-63-2

$H_3C(CH_2)_{16}COO(CH_2)_{15}CH_3$

Molecular Formula: $C_{34}H_{68}O_2$
Molecular Weight: 508.91
Accurate Mass: 508.52193
Percentage Composition: C 80.24%; H 13.47%; O 6.29%
Biological Source: Constit. of plant and animal waxes
Physical Description: Cryst. (Et_2O or MeOH)
Melting Point: Mp 58°

Sigma: S3380

References:

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)*