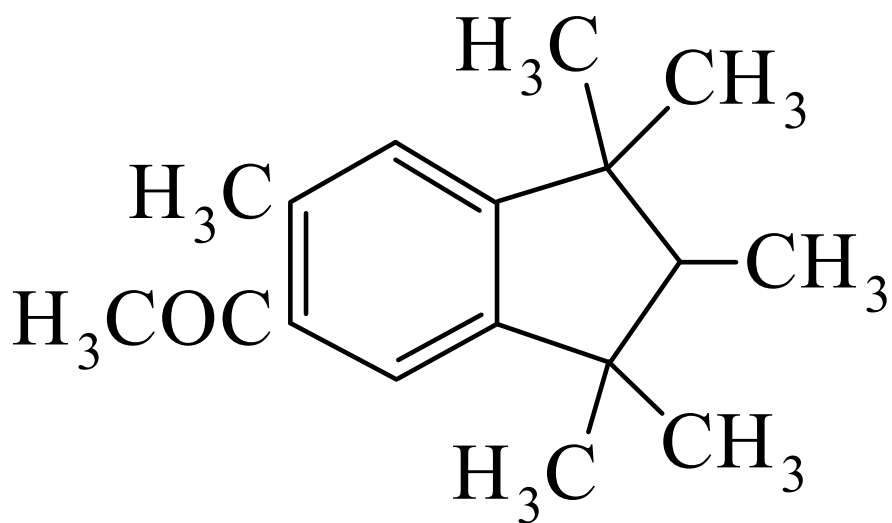




>>Entry Name: 5-Acetyl-1,1,2,3,3,6-hexamethylindane

Synonym(s): 1-(2,3-Dihydro-1,1,2,3,3,6-hexamethyl-1*H*-inden-5-yl)ethanone, 9Cl. 1,1,2,3,3,6-Hexamethyl-5-indanyl methyl ketone, 8Cl. Phantolide. Musk phantolide



CAS Registry Number: 15323-35-0

Molecular Formula: C₁₇H₂₄O

Molecular Weight: 244.376

Accurate Mass: 244.182715

Percentage Composition: C 83.55%; H 9.90%; O 6.55%

Use/Importance: Musk odorant

Physical Description: Cryst. (MeOH or EtOH)

Melting Point: Mp 63.5°

Boiling Point: Bp₂ 120°

>>Derivative: 4-Phenylsemicarbazone

Physical Description: Needles (EtOH) or flakes

Melting Point: Mp 170° (needles). Mp 182° (flakes)

References:

- Weber, S.H. *et al.*, *Rec. Trav. Chim. (J. R. Neth. Chem. Soc.)*, 1955, **74**, 1179-1196, (*synth*)
Ger. Pat., 1958, 1 035 826; *CA*, **55**, 2591g, (*synth*)
U.K. Pat., 1958, 716 585; *CA*, **53**, 2190a, (*synth*)
U.K. Pat., 1958, 796 129; *CA*, **53**, 6190f, (*synth*)
Opdyke, D.L.J., *Food Cosmet. Toxicol.*, Suppl., 1975, **13**, 693; *CA*, **86**, 161035t, (*rev, tox*)
Opdyke, D.L.J., *Food Cosmet. Toxicol.*, 1979, **17**, 241, (*rev, tox*)
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