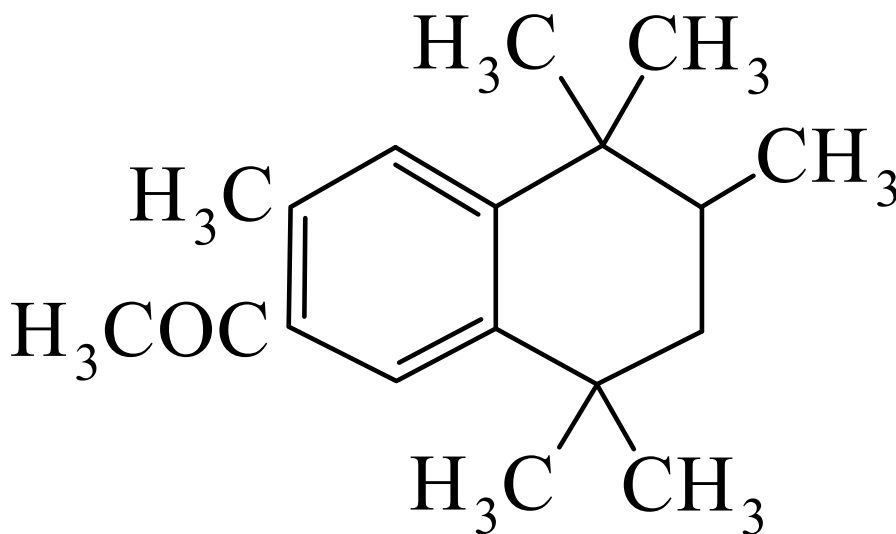




>>Entry Name: 6-Acetyl-1,2,3,4-tetrahydro-1,1,2,4,4,7-hexamethylnaphthalene

Synonym(s): 1-(5,6,7,8-Tetrahydro-3,5,5,6,8,8-hexamethyl-2-naphthalenyl)ethanone, 9CI. 5',6',7',8'-Tetrahydro-3',5',5',6',8',8'-hexamethyl-2'-acetonaphthone, 8CI. 6-Acetyl-1,1,2,4,4,7-hexamethyltetralin. Tonalide. Fixolide



CAS Registry Number: 21145-77-7

Molecular Formula: C₁₈H₂₆O

Molecular Weight: 258.403

Accurate Mass: 258.198365

Percentage Composition: C 83.67%; H 10.14%; O 6.19%

>>Variant: (±)-form

Molecular Formula: C₁₈H₂₆O

Molecular Weight: 258.403

Accurate Mass: 258.198365

Percentage Composition: C 83.67%; H 10.14%; O 6.19%

Use/Importance: Important musk odorant and intermed. in artificial musk synth.

Physical Description: Cryst. (EtOH)

Melting Point: Mp 56-57°

Boiling Point: Bp_{2.5} 144°. Bp_{0.2} 119°

References:

U.S. Pat., 1962, 3 045 047; CA, **58**, 4490b, (synth)

Wood, T.F. et al., J.O.C., 1963, **28**, 2248-2255, (synth)

U.K. Pat., 1964, 948 697; CA, **60**, 13205f, (synth)

Ger. Pat., 1979, 2 910 493; CA, **92**, 110733y, (synth)

Japan. Pat., 1979, 79 125 647; CA, **92**, 94139b, (synth)

Frank, W.C. et al., Bull. Chem. Soc. Jpn., 1993, **66**, 125-129, (synth)