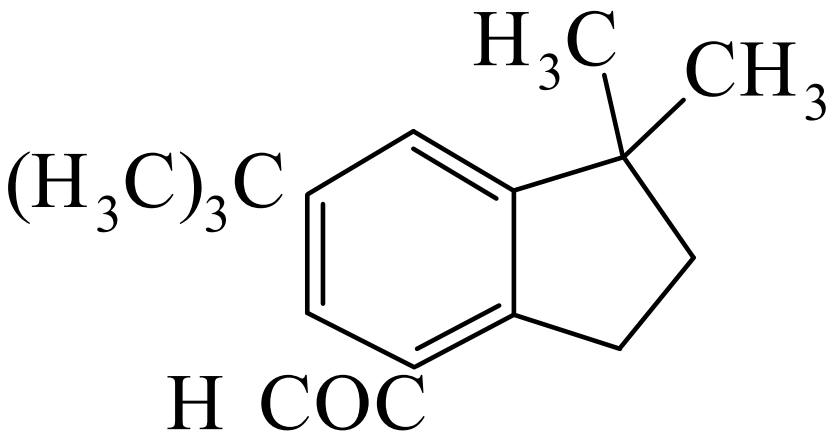
>>**Entry Name: 4-Acetyl-6-*tert*-butyl-1,1-dimethylindane**

ENTRY UNDER REVIEW

Synonym(s): 1-[6-(1,1-Dimethylethyl)-2,3-dihydro-1,1-dimethyl-1*H*-inden-4-yl]ethanone, 9CI. 6-*tert*-Butyl-1,1-dimethyl-4-indanyl methyl ketone, 8CI. Celestolide. Chrysolide. Musk celestolide. Esperone. FEMA 3653



CAS Registry Number: 13171-00-1

Molecular Formula: $C_{17}H_{24}O$
Molecular Weight: 244.376
Accurate Mass: 244.182715
Percentage Composition: C 83.55%; H 9.90%; O 6.55%
Use/Importance: Strong musk odorant
Physical Description: Cryst. (MeOH)
Melting Point: Mp 77.2-77.9°

>>**Derivative:** Semicarbazone

Physical Description: Cryst. (EtOH)
Melting Point: Mp 168-168.6°

>>**Derivative:** 2,4-Dinitrophenylhydrazone

Physical Description: Cryst. (MeOH)
Melting Point: Mp 180-181°

References: