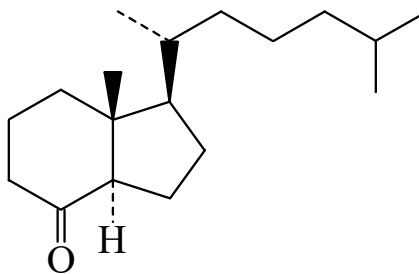




>>Entry Name: 1-(1,5-Dimethylhexyl)octahydro-7*a*-methyl-4*H*-inden-4-one

Synonym(s): Grundmann's ketone‡



CAS Registry Number: 66251-18-1

Molecular Formula: C₁₈H₃₂O

Molecular Weight: 264.45

Accurate Mass: 264.245315

Percentage Composition: C 81.75%; H 12.20%; O 6.05%

General Statement: There is some ambiguity as to the application of the name Grundmann's ketone. See also Octahydro-7*a*-methyl-1-(1,4,5-trimethyl-2-hexenyl)-4*H*-inden-4-one [MJX99-F](#)

Source/Synthesis: Steroid degradn. prod. Obt. by ozonolysis of vitamin D₃ (see 9,10-Secocholesta-5,7,10(19)-trien-3-ol [HJR89-V](#))

Physical Description: Oil

Boiling Point: Bp_{0.0005} 105-110°

Optical Rotation: [α]_D²⁰ +8.9

References:

Inhoffen, H.H. *et al.*, *Chem. Ber.*, 1957, **90**, 664, (*synth*)

Okamura, W.H., *J.A.C.S.*, 1980, **102**, 6259