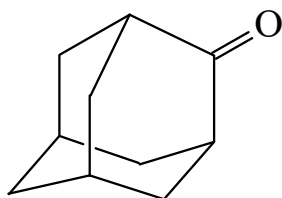




>>Entry Name: Adamantanone

Synonym(s): Tricyclo[3.3.1.1^{3,7}]decanone, 9C1



CAS Registry Number: 700-58-3

Molecular Formula: C₁₀H₁₄O

Molecular Weight: 150.22

Accurate Mass: 150.104465

Percentage Composition: C 79.96%; H 9.39%; O 10.65%

Physical Description: Cryst. (petrol at -70°)

Melting Point: Mp 280-282°

Hazard & Toxicity: LD₅₀ (mus, ipr) 780 mg/kg

Aldrich: 14604-8

Fluka: 1825

>>Derivative: Oxime

CAS Registry Number: 4500-12-3

Molecular Formula: C₁₀H₁₅NO

Molecular Weight: 165.235

Accurate Mass: 165.115364

Percentage Composition: C 72.69%; H 9.15%; N 8.48%; O 9.68%

Physical Description: Needles (EtOH)

Melting Point: Mp 162.8-163.6°

Rare Chemicals Library: S8022-6

>>Derivative: Hydrazone

CAS Registry Number: 61833-37-2

Molecular Formula: C₁₀H₁₆N₂

Molecular Weight: 164.25

Accurate Mass: 164.131348

Percentage Composition: C 73.13%; H 9.82%; N 17.06%

Melting Point: Mp 19°

>>Derivative: 2,4-Dinitrophenylhydrazone

CAS Registry Number: 10535-35-0

Physical Description: Cryst. (EtOH)

Melting Point: Mp 221-221.5°

References:

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