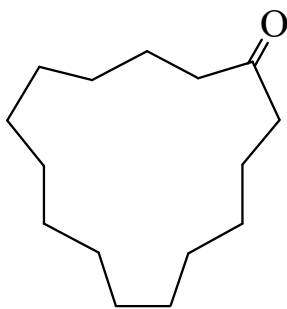




>>Entry Name: Cyclopentadecanone, 9CI

Synonym(s): Oxocyclopentadecane. Exaltone. Normuscone



CAS Registry Number: 502-72-7

Molecular Formula: C₁₅H₂₈O

Molecular Weight: 224.386

Accurate Mass: 224.214015

Percentage Composition: C 80.29%; H 12.58%; O 7.13%

Biological Source: Found in the scent gland of the male civet cat

Use/Importance: Used in perfumery (musk odour)

Melting Point: Mp 63°

Boiling Point: Bp_{0.3} 120°

Hazard & Toxicity: Skin irritant

Aldrich: C11120-1

Fluka: 29670

>>Derivative: Oxime

CAS Registry Number: 34341-05-4

Molecular Formula: C₁₅H₂₉NO

Molecular Weight: 239.4

Accurate Mass: 239.224914

Percentage Composition: C 75.26%; H 12.21%; N 5.85%; O 6.68%

Melting Point: Mp 75-76°

>>Derivative: 2,4-Dinitrophenylhydrazone

Melting Point: Mp 105°

>>Derivative: Semicarbazone

Melting Point: Mp 187-188°

>>Derivative: Ethylene acetal

Molecular Formula: C₁₇H₃₂O₂

Molecular Weight: 268.439

Accurate Mass: 268.24023

Percentage Composition: C 76.06%; H 12.01%; O 11.92%

Melting Point: Mp 27-28°

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