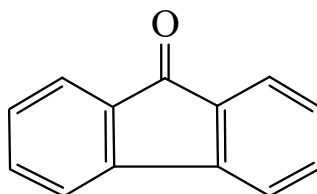




>>Entry Name: **9H-Fluoren-9-one**, 9Cl

Synonym(s): Fluorenone. Fluorene ketone. Diphenylene ketone



CAS Registry Number: 486-25-9

Molecular Formula: C₁₃H₈O

Molecular Weight: 180.206

Accurate Mass: 180.057515

Percentage Composition: C 86.65%; H 4.47%; O 8.88%

Physical Description: Yellow, rhombic cryst.

Melting Point: Mp 83-83.5°

Boiling Point: Bp 341.5°

Solubility: V. sol. EtOH, Et₂O; insol. H₂O

Aldrich: F150-6

Fluka: 46900

>>Derivative: Covalent hydrate

see 9H-Fluorene-9,9-diol, [FNM49-Q](#)

>>Derivative: Hydrazone

CAS Registry Number: 13629-22-6

Molecular Formula: C₁₃H₁₀N₂

Molecular Weight: 194.235

Accurate Mass: 194.084398

Percentage Composition: C 80.39%; H 5.19%; N 14.42%

Use/Importance: Used for photometric detn. of ketosteroids

Physical Description: Cryst. (MeOH)

Melting Point: Mp 152°

Aldrich: F157-3

Rare Chemicals Library: S27615-4

>>Derivative: Oxime

CAS Registry Number: 2157-52-0

Molecular Formula: C₁₃H₉NO

Molecular Weight: 195.22

Accurate Mass: 195.068414

Percentage Composition: C 79.98%; H 4.65%; N 7.17%; O 8.20%

Physical Description: Cryst. (C₆H₆ or EtOH aq.)

Melting Point: Mp 194-195°

Rare Chemicals Library: S37500-4

>>Derivative: 2,4-Dinitrophenylhydrazone

CAS Registry Number: 15884-61-4

Physical Description: Orange solid

Melting Point: Mp 298-300° (293°)