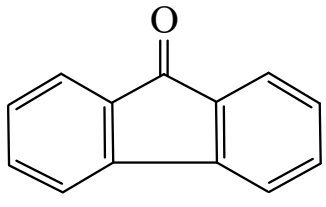
>>**Entry Name: 9*H*-Fluoren-9-one,** 9CI
Synonym(s): Fluorenone. Fluorene ketone. Diphenylene ketone



CAS Registry Number: 486-25-9

Molecular Formula: $C_{13}H_8O$
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, Et_2O; insol. H_2O

Aldrich: F150-6
Fluka: 46900

>>**Derivative:** Covalent hydrate
see 9*H*-Fluorene-9,9-diol, FNM49-Q

>>**Derivative:** Hydrazone

CAS Registry Number: 13629-22-6

Molecular Formula: $C_{13}H_{10}N_2$
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: $C_{13}H_9NO$
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. (C_6H_6 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°)