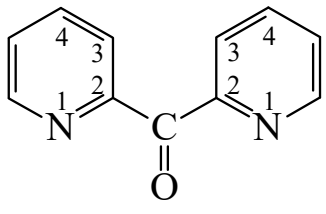
>>**Entry Name: Di-2-pyridinylmethanone,** 9CI
Synonym(s): Di-2-pyridyl ketone. 2-Pyridyl ketone, 8CI



CAS Registry Number: 19437-26-4

Molecular Formula: $C_{11}H_8N_2O$
Molecular Weight: 184.197
Accurate Mass: 184.063663
Percentage Composition: C 71.73%; H 4.38%; N 15.21%; O 8.69%
Physical Description: Prisms (petrol)
Melting Point: Mp 54-55°
Boiling Point: $Bp_{0.4}$ 132-135°

Aldrich: 12722-1
Fluka: 43660

>>**Derivative:** Picrate

Physical Description: Yellow cryst. (EtOAc)
Melting Point: Mp 181-182°

>>**Derivative:** Oxime

CAS Registry Number: 1562-95-4
Type of Compound Code(s): PM6860
Molecular Formula: $C_{11}H_9N_3O$
Molecular Weight: 199.212
Accurate Mass: 199.074562
Percentage Composition: C 66.32%; H 4.55%; N 21.09%; O 8.03%
Use/Importance: Reagent for detn. of metal ions (Pd(*II*), Fe(*II*), Co(*III*) etc.)
Physical Description: Needles (MeOH aq. or EtOAc)
Melting Point: Mp 141-142.5°
Aldrich: 16170-5

>>**Derivative:** Ethylene ketal

CAS Registry Number: 42772-86-1
Molecular Formula: $C_{13}H_{12}N_2O_2$
Molecular Weight: 228.25
Accurate Mass: 228.089878
Percentage Composition: C 68.41%; H 5.30%; N 12.27%; O 14.02%
Physical Description: Needles (petrol)
Melting Point: Mp 164-166°

>>**Derivative:** Semicarbazone

Physical Description: Plates or needles (EtOH)
Melting Point: Mp 220-221° (217-218°)

>>**Derivative:** Hydrazone

CAS Registry Number: 74804-05-0
Type of Compound Code(s): PA4500 PA1450 PM6740 PS8250
Molecular Formula: $C_{11}H_{10}N_4$
Molecular Weight: 198.227
Accurate Mass: 198.090546
Percentage Composition: C 66.65%; H 5.08%; N 28.26%
Use/Importance: Used for fluorimetric detn. of Tc(*VII*), Cu (λ_{max} 435 nm), Hg, Pd, Ni
Physical Description: Cryst. (C_6H_6/petrol)