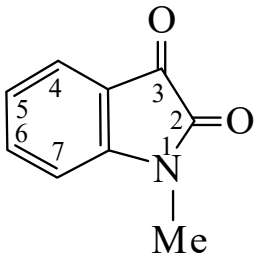
>>**Entry Name: 1-Methyl-1*H*-indole-2,3-dione,** 9CI
Synonym(s): 1-Methylisatin



CAS Registry Number: 2058-74-4

Molecular Formula: $C_9H_7NO_2$
Molecular Weight: 161.16
Accurate Mass: 161.047679
Percentage Composition: C 67.08%; H 4.38%; N 8.69%; O 19.86%
Physical Description: Red-yellow needles (H_2O)
Melting Point: Mp 134°
Solubility: Sol. MeOH, hot H_2O; mod. sol. Et_2O
Other Data: Dimorphous (both forms orthorhombic). Stable in air
Hazard & Toxicity: LD_{50} (mus, ipr) 685 mg/kg

Aldrich: 18307-5

>>**Derivative:** 2-Oxime

Molecular Formula: $C_9H_8N_2O_2$
Molecular Weight: 176.174
Accurate Mass: 176.058578
Percentage Composition: C 61.36%; H 4.58%; N 15.90%; O 18.16%
Physical Description: Needles (H_2O)
Melting Point: Mp 189-192°

>>**Derivative:** 2-Oxime, Ac

Molecular Formula: $C_{11}H_{10}N_2O_3$
Molecular Weight: 218.212
Accurate Mass: 218.069143
Percentage Composition: C 60.55%; H 4.62%; N 12.84%; O 22.00%
Physical Description: Yellow cryst.
Melting Point: Mp 154-155°

>>**Derivative:** 3-Hydrazone

Molecular Formula: $C_9H_9N_3O$
Molecular Weight: 175.19
Accurate Mass: 175.074562
Percentage Composition: C 61.70%; H 5.18%; N 23.99%; O 9.13%
Physical Description: Yellow needles (EtOH)
Melting Point: Mp 107-108°

>>**Derivative:** 3-Phenylhydrazone

Physical Description: Yellow needles (EtOH)
Solubility: Sol. hot EtOH, C_6H_6; spar. sol. Et_2O, insol. petrol

>>**Derivative:** 2-Anil

Molecular Formula: $C_{15}H_{12}N_2O$
Molecular Weight: 236.273
Accurate Mass: 236.094963
Percentage Composition: C 76.25%; H 5.12%; N 11.86%; O 6.77%
Physical Description: Yellowish-red prisms
Melting Point: Mp 132°

>>**Derivative:** 3-Thiosemicarbazone
Synonym(s): Methisazone, BAN, USAN. **Metisazone,** INN**.** Marboran. BW 33-T-57. NSC 69811