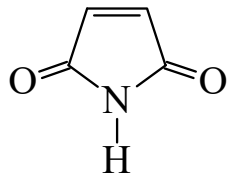
>>**Entry Name: 1*H*-Pyrrole-2,5-dione,** 9CI
Synonym(s): Maleimide, 8CI



CAS Registry Number: 541-59-3

Molecular Formula: $C_4H_3NO_2$
Molecular Weight: 97.073
Accurate Mass: 97.016379
Percentage Composition: C 49.49%; H 3.11%; N 14.43%; O 32.96%
Use/Importance: Maleimide and its *N*-substituted derivs. are used in polym. compositions
Physical Description: Plates
Melting Point: Mp 93°
Other Data: Subl. readily
Hazard & Toxicity: LD_{50} (mus, orl) 80 mg/kg. Exp. reprod. and teratogenic effects

Aldrich: 12958-5
Fluka: 63171
Sigma: M3766

>>**Derivative:** Dioxime

CAS Registry Number: 14445-80-8
Molecular Formula: $C_4H_5N_3O_2$
Molecular Weight: 127.102
Accurate Mass: 127.038177
Percentage Composition: C 37.80%; H 3.96%; N 33.06%; O 25.18%
Physical Description: Cryst. (H_2O)
Melting Point: Mp 256°

>>**Derivative:** Monosemicarbazone

Physical Description: Cryst. (H_2O)
Melting Point: Mp 230°

>>**Derivative:** *N*-Me
Synonym(s): 1-Methyl-1*H*-pyrrole-2,5-dione. *N*-Methylmaleimide

CAS Registry Number: 930-88-1
Molecular Formula: $C_5H_5NO_2$
Molecular Weight: 111.1
Accurate Mass: 111.032029
Percentage Composition: C 54.05%; H 4.54%; N 12.61%; O 28.80%
Physical Description: Prisms (Et_2O)
Melting Point: Mp 90-92°
Solubility: Sol. EtOH; spar. sol. C_6H_6
Other Data: Volatile

Aldrich: 38941-2
Fluka: 67745
Sigma: M3627