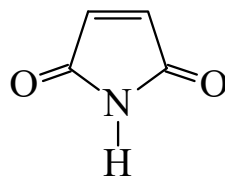




>>Entry Name: **1*H*-Pyrrole-2,5-dione**, 9CI

Synonym(s): Maleimide, 8CI



CAS Registry Number: 541-59-3

Molecular Formula: C₄H₃NO₂

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: LD₅₀ (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: C₄H₅N₃O₂

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. (H₂O)

Melting Point: Mp 256°

>>Derivative: Monosemicarbazone

Physical Description: Cryst. (H₂O)

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: C₅H₅NO₂

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 (Et₂O)

Melting Point: Mp 90-92°

Solubility: Sol. EtOH; spar. sol. C₆H₆

Other Data: Volatile

Aldrich: 38941-2

Fluka: 67745

Sigma: M3627