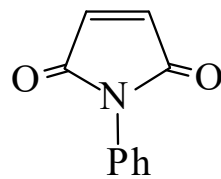




>>Entry Name: 1-Phenyl-1*H*-pyrrole-2,5-dione, 9CI

Synonym(s): *N*-Phenylmaleimide, 8CI. Maleanil. Imilexp



CAS Registry Number: 941-69-5

Molecular Formula: C₁₀H₇NO₂

Molecular Weight: 173.171

Accurate Mass: 173.047679

Percentage Composition: C 69.36%; H 4.07%; N 8.09%; O 18.48%

Use/Importance: Dienophile for Diels-Alder reactions. Monomer

Physical Description: Canary-yellow needles (cyclohexane)

Melting Point: Mp 89-89.8°

Boiling Point: Bp₁₂ 162.1-162.3°

Solubility: Spar. sol. H₂O

Other Data: Undergoes anionic homopolym. Q/e values for radical polym., Q 2.81, e +3.24

Hazard & Toxicity: LD₅₀ (rat, orl) 188 mg/kg

Aldrich: P2710-0

Fluka: 78795

Sigma: P1657

References:

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