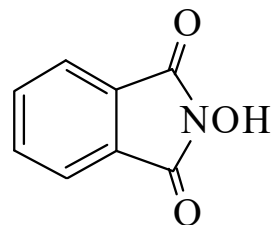




>>Entry Name: *N*-Hydroxyphthalimide, 8Cl

Synonym(s): 2-Hydroxy-1*H*-isoindeole-1,3(2*H*)-dione. Phthaloxime



CAS Registry Number: 524-38-9

Molecular Formula: C₈H₅NO₃

Molecular Weight: 163.132

Accurate Mass: 163.026944

Percentage Composition: C 58.90%; H 3.09%; N 8.59%; O 29.42%

Use/Importance: Reagent used in peptide synth.

Physical Description: Needles (H₂O)

Melting Point: Mp 230-231°

pKa Value: pK_{a1} 7 (30°)

Aldrich: H5370-4

Fluka: 56191

Sigma: H0881

>>Derivative: Ac

CAS Registry Number: 17720-64-8

Molecular Formula: C₁₀H₇NO₄

Molecular Weight: 205.17

Accurate Mass: 205.037509

Percentage Composition: C 58.54%; H 3.44%; N 6.83%; O 31.19%

Use/Importance: Acetylating agent; specific reagent for *N*-acetylation of Muramic acid [BW_X68-R](#)

Melting Point: Mp 183-185°

>>Derivative: Benzoyl

CAS Registry Number: 58585-84-5

Molecular Formula: C₁₅H₉NO₄

Molecular Weight: 267.24

Accurate Mass: 267.053159

Percentage Composition: C 67.42%; H 3.39%; N 5.24%; O 23.95%

Melting Point: Mp 171.5°

>>Derivative: Me ether

Synonym(s): 2-Methoxyphthalimide

CAS Registry Number: 1914-20-1

Molecular Formula: C₉H₇NO₃

Molecular Weight: 177.159

Accurate Mass: 177.042594

Percentage Composition: C 61.02%; H 3.98%; N 7.91%; O 27.09%

Physical Description: Needles (EtOH)

Melting Point: Mp 133°

>>Derivative: Et ether

Synonym(s): 2-Ethoxyphthalimide

CAS Registry Number: 1914-21-2

Molecular Formula: C₁₀H₉NO₃

Molecular Weight: 191.186

Accurate Mass: 191.058244

Percentage Composition: C 62.82%; H 4.74%; N 7.33%; O 25.11%

Physical Description: Prisms

Melting Point: Mp 95-100°