



Molecular Formula: C₁₀H₁₁N₇S₂

Molecular Weight: 293.376

Accurate Mass: 293.051733

Percentage Composition: C 40.94%; H 3.78%; N 33.42%; S 21.86%

Use/Importance: Used as 0.2% soln. in DMF for photometric detn. of IO₄⁽⁻⁾ ($\lambda_{\max}$ 410 nm, ϵ 28000) and catalytic-photometric detn. of Os

Physical Description: Cryst.

Solubility: Sol. DMF; insol. H₂O

>> **Derivative:** *N*-Cyano

Synonym(s): 1,3-Dihydro-1,3-dioxo-2*H*-isoindole-2-carbonitrile

CAS Registry Number: 63571-77-7

Molecular Formula: C₉H₄N₂O₂

Molecular Weight: 172.143

Accurate Mass: 172.027278

Percentage Composition: C 62.80%; H 2.34%; N 16.27%; O 18.59%

Physical Description: Light brown cryst. solid

Melting Point: Mp 189-191°

>> **Derivative:** *N*-Nitro

CAS Registry Number: 5336-97-0

Molecular Formula: C₈H₄N₂O₄

Molecular Weight: 192.131

Accurate Mass: 192.017108

Percentage Composition: C 50.01%; H 2.10%; N 14.58%; O 33.31%

Physical Description: Needles

Melting Point: Mp 202-209 dec.°

>> **Derivative:** *N*-Amino

>> **Derivative:** *N*-Ac

CAS Registry Number: 1971-49-9

Molecular Formula: C₁₀H₇NO₃

Molecular Weight: 189.17

Accurate Mass: 189.042594

Percentage Composition: C 63.49%; H 3.73%; N 7.40%; O 25.37%

Melting Point: Mp 133-135°

Aldrich: 45484-2

Rare Chemicals Library: S56851-1

>> **Derivative:** *N*-Benzoyl

CAS Registry Number: 4583-50-0

Molecular Formula: C₁₅H₉NO₃

Molecular Weight: 251.241

Accurate Mass: 251.058244

Percentage Composition: C 71.71%; H 3.61%; N 5.58%; O 19.10%

Physical Description: Cryst. (EtOAc)

Melting Point: Mp 167-169°

Rare Chemicals Library: S56807-4

>> **Derivative:** *N*-(4-Methylbenzenesulfonyl)

CAS Registry Number: 27722-45-8

Melting Point: Mp 243-244°