



Percentage Composition: C 47.62%; H 4.80%; N 22.21%; O 25.37%

Physical Description: Cryst. (C₆H₆/heptane)

Melting Point: Mp 35-39°

>>**Derivative:** *N*-Ethoxycarbonyl

CAS Registry Number: 19213-72-0

Molecular Formula: C₆H₈N₂O₂

Molecular Weight: 140.141

Accurate Mass: 140.058578

Percentage Composition: C 51.42%; H 5.75%; N 19.99%; O 22.83%

Boiling Point: Bp₆₀ 135-138°

>>**Derivative:** *N-tert*-Butyloxycarbonyl

>>**Derivative:** *N*-Cinnamoyl

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

CAS Registry Number: 2232-08-8

Molecular Formula: C₁₀H₁₀N₂O₂S

Molecular Weight: 222.267

Accurate Mass: 222.046298

Percentage Composition: C 54.04%; H 4.53%; N 12.60%; O 14.40%; S 14.43%

Use/Importance: Coupling reagent in oligonucleotide synthesis

Melting Point: Mp 78-79°

Aldrich: 24424-4

Fluka: 89812

Rare Chemicals Library: S62662-7

Sigma: T6142

>>**Derivative:** *N*-Me

>>**Derivative:** *N*-Me; methiodide

>>**Derivative:** *N*-Et

CAS Registry Number: 7098-07-9

Molecular Formula: C₅H₈N₂

Molecular Weight: 96.132

Accurate Mass: 96.068748

Percentage Composition: C 62.47%; H 8.39%; N 29.14%

Physical Description: Liq.

Melting Point: Mp 216-217° (as picrate)

Boiling Point: Bp₁₂ 160-162°

>>**Derivative:** *N*-Isopropyl

CAS Registry Number: 4532-96-1

Molecular Formula: C₆H₁₀N₂

Molecular Weight: 110.158

Accurate Mass: 110.084398

Percentage Composition: C 65.42%; H 9.15%; N 25.43%

Boiling Point: Bp₁₂ 97°

Refractive Index: n_D²⁰ 1.4811