



Melting Point: Mp 99-101°

>>**Derivative:** Iodide

CAS Registry Number: 4525-46-6

Molecular Formula: C₁₀H₁₆IN

Molecular Weight: 277.148

Accurate Mass: 277.032747

Percentage Composition: C 43.34%; H 5.82%; I 45.79%; N 5.05%

Use/Importance: Reagent for purine synth.

Melting Point: Mp 181-182°

>>**Derivative:** Cyanide

Molecular Formula: C₁₁H₁₆N₂

Molecular Weight: 176.261

Accurate Mass: 176.131348

Percentage Composition: C 74.96%; H 9.15%; N 15.89%

Use/Importance: Reagent for conversion of alkyl halides into nitriles

Other Data: Normally used in soln.

>>**Derivative:** Iododichloride

CAS Registry Number: 114971-52-7

Molecular Formula: C₁₀H₁₆Cl₂IN

Molecular Weight: 348.053

Accurate Mass: 346.970451

Percentage Composition: C 34.51%; H 4.63%; Cl 20.37%; I 36.46%; N 4.02%

Use/Importance: Iodinating agent

Physical Description: Brilliant yellow needles (CH₂Cl₂/Et₂O)

Melting Point: Mp 125-126°

References:

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