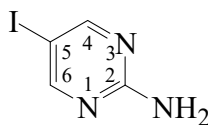




>>Entry Name: 2-Amino-5-iodopyrimidine

Synonym(s): 5-Iodo-2-pyrimidinamine, 9Cl



CAS Registry Number: 1445-39-2

Molecular Formula: C₄H₄IN₃

Molecular Weight: 221

Accurate Mass: 220.944995

Percentage Composition: C 21.74%; H 1.82%; I 57.42%; N 19.01%

Physical Description: Cryst. (EtOH)

Melting Point: Mp 224-225° (179-180°)

>>Derivative: 1-*N*-Oxide

CAS Registry Number: 91416-92-1

Molecular Formula: C₄H₄IN₃O

Molecular Weight: 237

Accurate Mass: 236.93991

Percentage Composition: C 20.27%; H 1.70%; I 53.55%; N 17.73%; O 6.75%

Physical Description: Cryst.

Melting Point: Mp 226-228°

>>Derivative: 2-*N*-Me

CAS Registry Number: 16341-50-7

Molecular Formula: C₅H₆IN₃

Molecular Weight: 235.027

Accurate Mass: 234.960645

Percentage Composition: C 25.55%; H 2.57%; I 54.00%; N 17.88%

Physical Description: Cryst. (EtOH)

Melting Point: Mp 136-137°

>>Derivative: 2-*N*-Me, picrate

CAS Registry Number: 16341-70-1

Physical Description: Cryst. (propanol)

Melting Point: Mp 208-209°

>>Derivative: 2-*N*-Me, 1-*N*-oxide

CAS Registry Number: 91416-93-2

Molecular Formula: C₅H₆IN₃O

Molecular Weight: 251.026

Accurate Mass: 250.95556

Percentage Composition: C 23.92%; H 2.41%; I 50.55%; N 16.74%; O 6.37%

Physical Description: Cryst.

Melting Point: Mp 196-197°

References:

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Chen, D.L. *et al.*, *J.O.C.*, 2000, **65**, 7468-7474, (*synth, uv, ir, pmr, cmr*)