



>>Entry Name: **4-Amino-6-methylpyrimidine**

Synonym(s): 6-Methyl-4-pyrimidinamine, 9CI

CAS Registry Number: 3435-28-7

Molecular Formula: C₅H₇N₃

Molecular Weight: 109.13

Accurate Mass: 109.063997

Percentage Composition: C 55.03%; H 6.47%; N 38.50%

Physical Description: Prisms (H₂O)

Melting Point: Mp 197-197.5° (192-193°)

Solubility: Sol. H₂O

pKa Value: pK_a 5.5

Other Data: Sublimes

Rare Chemicals Library: S15469-5

>>Derivative: *N*-Ph

Molecular Formula: C₁₁H₁₁N₃

Molecular Weight: 185.228

Accurate Mass: 185.095297

Percentage Composition: C 71.33%; H 5.99%; N 22.69%

Physical Description: Needles (H₂O)

Melting Point: Mp 146°

>>Derivative: 1-Oxide

CAS Registry Number: 52816-78-1

Molecular Formula: C₅H₇N₃O

Molecular Weight: 125.13

Accurate Mass: 125.058912

Percentage Composition: C 47.99%; H 5.64%; N 33.58%; O 12.79%

Melting Point: Mp 232-234°

>>Derivative: 4-*N*-Me, 1-oxide

CAS Registry Number: 91233-75-9

Molecular Formula: C₆H₉N₃O

Molecular Weight: 139.157

Accurate Mass: 139.074562

Percentage Composition: C 51.79%; H 6.52%; N 30.20%; O 11.50%

Melting Point: Mp 146-147.5°