



>>Entry Name: 5-Amino-4-methylpyrimidine

Synonym(s): 4-Methyl-5-pyrimidinamine, 9CI

CAS Registry Number: 3438-61-7

Molecular Formula: C₅H₇N₃

Molecular Weight: 109.13

Accurate Mass: 109.063997

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

Melting Point: Mp 151-151.5°

pKa Value: pK_a 3.06

>>Derivative: *N*-Et

Molecular Formula: C₇H₁₁N₃

Molecular Weight: 137.184

Accurate Mass: 137.095297

Percentage Composition: C 61.29%; H 8.08%; N 30.63%

Melting Point: Mp 55-56°

Boiling Point: Bp₇ 123-125°

>>Derivative: 5-*N*-Ac

Molecular Formula: C₇H₉N₃O

Molecular Weight: 151.168

Accurate Mass: 151.074562

Percentage Composition: C 55.62%; H 6.00%; N 27.80%; O 10.58%

Melting Point: Mp 246-247.5 dec.°

References:

Backer, H. *et al.*, *Rec. Trav. Chim. (J. R. Neth. Chem. Soc.)*, 1942, **61**, 291

van der Plas, H.C., *Rec. Trav. Chim. (J. R. Neth. Chem. Soc.)*, 1965, **84**, 1101