



>>Entry Name: **4-Amino-2-methylpyrimidine**

Synonym(s): 2-Methyl-4-pyrimidinamine, 9CI

CAS Registry Number: 74-69-1

Molecular Formula: C₅H₇N₃

Molecular Weight: 109.13

Accurate Mass: 109.063997

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

Physical Description: Cryst. (Me₂CO)

Melting Point: Mp 206-207°

pKa Value: pK_a 6.53 (25°)

>>Derivative: Hydrochloride

Physical Description: Pale yellow

Melting Point: Mp 230°

>>Derivative: 4-*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 140-141°

References:

Gabriel, S., *Ber.*, 1904, **37**, 3641

Henze, H.R., *J.O.C.*, 1952, **17**, 1320, (*synth*)

den Hertog, H.J. *et al.*, *Rec. Trav. Chim. (J. R. Neth. Chem. Soc.)*, 1965, **84**, 1569, (*synth*)