



>>Entry Name: **2-Amino-5-methylpyrimidine**

Synonym(s): 5-Methyl-2-pyrimidinamine, 9CI

CAS Registry Number: 50840-23-8

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 193.5°

Solubility: Sol. EtOH, mod. sol. C₆H₆, petrol, insol. Et₂O

>>Derivative: 2-*N*-Me

Molecular Formula: C₆H₉N₃

Molecular Weight: 123.157

Accurate Mass: 123.079647

Percentage Composition: C 58.52%; H 7.37%; N 34.12%

Physical Description: Prisms (petrol)

Melting Point: Mp 102°

Solubility: Sol. H₂O

Other Data: Sublimes

References:

Gerngross, O., *Ber.*, 1905, **38**, 3398, (*synth*)

Protopopova, T. *et al.*, *CA*, 1960, **54**, 11037, (*synth*)