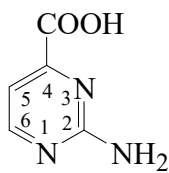




>>Entry Name: 2-Amino-4-pyrimidinecarboxylic acid



CAS Registry Number: 2164-65-0

Molecular Formula: C₅H₅N₃O₂

Molecular Weight: 139.113

Accurate Mass: 139.038177

Percentage Composition: C 43.17%; H 3.62%; N 30.21%; O 23.00%

Biological Source: Constit. of *Lathyrus tingitanus* seeds

Use/Importance: Precursor of the pyrimidine moiety of Lathyrine [HJF50-V](#)

Physical Description: Fine needles (H₂O)

Melting Point: Mp 265° (dec.). Mp 285° (dec.)

References:

Matsukawa, T. *et al.*, *Yakugaku Zasshi*, 1952, **72**, 909; *CA*, **47**, 6425d, (*synth*)

Whitlock, B.J. *et al.*, *J.O.C.*, 1965, **30**, 115, (*synth, uv*)

Brown, E.C. *et al.*, *Phytochemistry*, 1996, **42**, 61, (*occur*)