



>>Entry Name: 4-Aminopyridazine

Synonym(s): 4-Pyridazinamine

CAS Registry Number: 20744-39-2

Molecular Formula: C₄H₅N₃

Molecular Weight: 95.104

Accurate Mass: 95.048347

Percentage Composition: C 50.52%; H 5.30%; N 44.18%

Physical Description: Plates (EtOH)

Melting Point: Mp 131-132° (127-129°)

pKa Value: pK_a 6.65 (20°)

>>Derivative: 1-Oxide

Molecular Formula: C₄H₅N₃O

Molecular Weight: 111.103

Accurate Mass: 111.043262

Percentage Composition: C 43.24%; H 4.54%; N 37.82%; O 14.40%

Physical Description: Plates (EtOH)

Melting Point: Mp 229-230°

>>Derivative: 2-Oxide

Molecular Formula: C₄H₅N₃O

Molecular Weight: 111.103

Accurate Mass: 111.043262

Percentage Composition: C 43.24%; H 4.54%; N 37.82%; O 14.40%

Physical Description: Prisms (EtOH)

Melting Point: Mp 190-191°

References:

Kuraishi, T., *Chem. Pharm. Bull.*, 1956, **4**, 137, (*synth*)

Nakagome, T., *Yakugaku Zasshi*, 1962, **82**, 253, (*synth*)

Itai, T. *et al.*, *Chem. Pharm. Bull.*, 1963, **11**, 342, (*synth*)

Katritzky, A.R. *et al.*, *J.C.S.(B)*, 1968, 873, (*pmr*)

Nakagome, T., *Chem. Heterocycl. Compd.*, 1973, **28**, 463, (*rev*)