



>>Entry Name: **4-Amino-5-bromopyrimidine**, 8Cl

Synonym(s): 5-Bromo-4-pyrimidinamine, 9Cl

CAS Registry Number: 1439-10-7

Molecular Formula: C₄H₄BrN₃

Molecular Weight: 174

Accurate Mass: 172.978858

Percentage Composition: C 27.61%; H 2.32%; Br 45.92%; N 24.15%

Physical Description: Yellowish needles (H₂O)

Melting Point: Mp 209-211 dec.°

>>Derivative: *N*-Ac

Molecular Formula: C₆H₆BrN₃O

Molecular Weight: 216.037

Accurate Mass: 214.989423

Percentage Composition: C 33.36%; H 2.80%; Br 36.99%; N 19.45%; O 7.41%

Melting Point: Mp 108-110°

References:

Chesterfield, J. *et al.*, *J.C.S.*, 1955, 3478, (*synth*)

Hara, H. *et al.*, *J. Het. Chem.*, 1982, **19**, 1285, (*synth*)

Paudler, W.W. *et al.*, *J.O.C.*, 1983, **48**, 1064, (*synth, pmr*)

Sakamoto, T. *et al.*, *Chem. Pharm. Bull.*, 1993, **41**, 81, (*synth, deriv*)