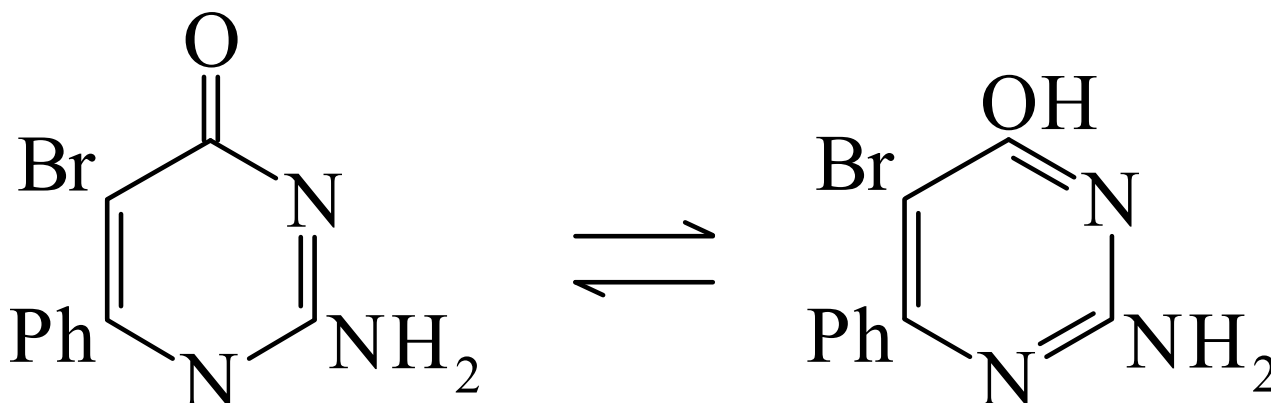




>>Entry Name: 2-Amino-5-bromo-4-hydroxy-6-phenylpyrimidine

Synonym(s): 2-Amino-5-bromo-6-phenyl-4(1H)-pyrimidinone, 9CI. 2-Amino-5-bromo-6-phenyl-4-pyrimidinol.

Broprimine, BAN, INN, USAN. U 54461. ABPP



CAS Registry Number: 56741-95-8

Molecular Formula: C₁₀H₈BrN₃O

Molecular Weight: 266.097

Accurate Mass: 265.005073

Percentage Composition: C 45.14%; H 3.03%; Br 30.03%; N 15.79%; O 6.01%

Use/Importance: Antineoplastic and antiviral agent, interferon-alpha inducer. Shows antifibrotic activity in animal model of lung fibrosis

Physical Description: Cryst. (EtOH aq.)

Development Status: Phase II clinical trial (1993)

Melting Point: Mp 268-270° (246-248°)

Calculated Log P Data: Log P 1.75 (uncertain value) (calc)

Hazard & Toxicity: LD₅₀ (rat, orl) >3200 mg/kg. Exp. reprod. and teratogenic effects. Mutagenic props.

References:

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