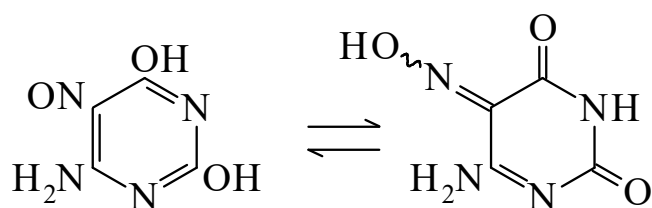




>>Entry Name: 6-Amino-2,4-dihydroxy-5-nitrosopyrimidine

Synonym(s): 6-Amino-5-nitroso-2,4-pyrimidinediol. 6-Amino-5-nitroso-2,4(1*H*,3*H*)-pyrimidinedione



CAS Registry Number: 5442-24-0

Related CAS Registry Numbers(s): 37494-46-5 37494-47-6 63884-45-7

Molecular Formula: C₄H₄N₄O₃

Molecular Weight: 156.101

Accurate Mass: 156.028341

Percentage Composition: C 30.78%; H 2.58%; N 35.89%; O 30.75%

General Statement: Tautomeric with the oxime form

Use/Importance: Spectrophotometric reagent for Pd and other transition metals

Physical Description: Red-blue cryst. (EtOH)

Solubility: Sol. EtOH, Me₂CO, H₂O

Aldrich: 27689-8

Sigma: A4379

References:

Cain, C.K. *et al.*, *J.A.C.S.*, 1946, **68**, 1996, (*synth*)

Org. Synth., Coll. Vol., 4, 1963, 247, (*synth*)

Zvilichovsky, G. *et al.*, *J.O.C.*, 1972, **37**, 1871, (*synth, tautom*)

Singh, A.K. *et al.*, *J. Indian Chem. Soc.*, 1975, **52**, 891, (*detn, Fe*)

Singh, A.K. *et al.*, *Analyst (London)*, 1983, **108**, 1263, (*props*)