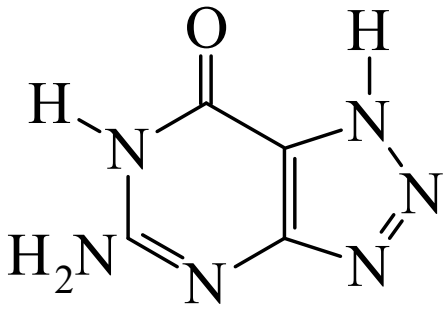
>>**Entry Name: 5-Amino-1,6-dihydro-7*H*-1,2,3-triazolo[4,5-*d*]pyrimidin-7-one,** 9CI
Synonym(s): 8-Azaguanine. **Guanazole‡.** Pathocidin. NSC 749. SF 337. Antibiotic SF 337. Azan



CAS Registry Number: 134-58-7

Molecular Formula: $C_4H_4N_6O$
Molecular Weight: 152.115
Accurate Mass: 152.044659
Percentage Composition: C 31.58%; H 2.65%; N 55.25%; O 10.52%
Biological Source: Isol. from *Streptomyces albus* and *Streptomyces morookaensis*
Use/Importance: Purine antagonist. Tumour inhibitor. Active against fungi
Physical Description: Cryst. (H_2O)
Melting Point: Mp 305 dec.°
UV: [acid] λ_{max} 250 (ε 12500); 270 (sh) (ε 9880) (0.1*N* HCl) (Derep) [base] λ_{max} 247 (ε 4860); 278 (ε 6540) (0.1*N* NaOH) (Derep) [neutral] λ_{max} 247 (ε 9580); 273 (ε 6300) (H_2O) (Derep)
Hazard & Toxicity: Exp. reprod. and teratogenic effects. LD_{50} (mus, orl) 1500 mg/kg

Aldrich: 86144-8
Fluka: 11410
Sigma: A5284

>>**Derivative:** *N*-β-D-Ribofuranosyl

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