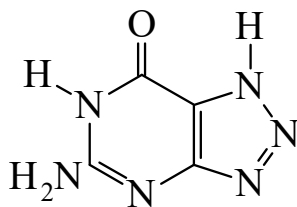




>>Entry Name: 5-Amino-1,6-dihydro-7H-1,2,3-triazolo[4,5-d]pyrimidin-7-one, 9Cl

Synonym(s): 8-Azaguanine. **Guanazole**‡. Pathocidin. NSC 749. SF 337. Antibiotic SF 337. Azan



CAS Registry Number: 134-58-7

Molecular Formula: C<sub>4</sub>H<sub>4</sub>N<sub>6</sub>O

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<sub>2</sub>O)

Melting Point: Mp 305 dec.°

UV: [acid] λ<sub>max</sub> 250 (ε 12500); 270 (sh) (ε 9880) (0.1N HCl) (Derep) [base] λ<sub>max</sub> 247 (ε 4860); 278 (ε 6540) (0.1N NaOH) (Derep) [neutral] λ<sub>max</sub> 247 (ε 9580); 273 (ε 6300) (H<sub>2</sub>O) (Derep)

**Hazard & Toxicity:** Exp. reprod. and teratogenic effects. LD<sub>50</sub> (mus, orl) 1500 mg/kg

Aldrich: 86144-8

Fluka: 11410

Sigma: A5284

>>Derivative: N-β-D-Ribofuranosyl

see 8-Azaguanosine, [BWR49-I](#)

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