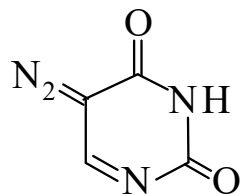




>>Entry Name: 5-Diazo-2,4(1*H*,3*H*)-pyrimidinedione, 9CI

Synonym(s): 5-Diazouracil



CAS Registry Number: 2435-76-9

Molecular Formula: C₄H₂N₄O₂

Molecular Weight: 138.085

Accurate Mass: 138.017776

Percentage Composition: C 34.79%; H 1.46%; N 40.57%; O 23.17%

Use/Importance: Inhibitor of cell division in bacteria. Virostatic and carcinostatic

Physical Description: Cryst. (H₂O)

Melting Point: Mp 198 dec.°

Sigma: D8752

>>Derivative: 3-Me

Molecular Formula: C₅H₄N₄O₂

Molecular Weight: 152.112

Accurate Mass: 152.033426

Percentage Composition: C 39.48%; H 2.65%; N 36.83%; O 21.04%

Physical Description: Cryst.

Melting Point: Mp 123-124°

>>Derivative: 1-Riboside

see 5-Diazouridine, [BVT34-D](#)

References:

Johnson, T.B. *et al.*, *Ber.*, 1931, **64**, 2629, (*synth*)

Thurber, T.C. *et al.*, *J. Het. Chem.*, 1972, **9**, 629, (*synth, ir, pmr, uv, struct*)

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