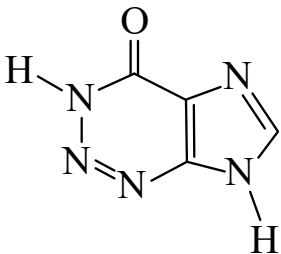




>>Entry Name: 1,5-Dihydro-4*H*-imidazo[4,5-*d*]-1,2,3-triazin-4-one, 9Cl

Synonym(s): 3,7-Dihydro-4*H*-imidazo-*v*-triazin-4-one, 8Cl. 2-Azahypoxanthine



CAS Registry Number: 4656-86-4

Molecular Formula: C₄H₃N₅O

Molecular Weight: 137.101

Accurate Mass: 137.03376

Percentage Composition: C 35.04%; H 2.21%; N 51.08%; O 11.67%

General Statement: Several tautomers possible

Use/Importance: Cytotoxic agent, enzyme inhibitor

Physical Description: Cryst. + 1H₂O

Melting Point: Mp 260°

Hazard & Toxicity: Explodes if heated rapidly to 210°

References:

Woolley, D.W. *et al.*, *J. Biol. Chem.*, 1951, **189**, 401; 1952, **194**, 641, (*synth, uv*)

Shealy, Y.F. *et al.*, *J.O.C.*, 1961, **26**, 2396, (*synth*)

Beal, D.D. *et al.*, *J. Natl. Cancer Inst.*, 1975, **54**, 951; *CA*, **83**, 73153a, (*tox*)