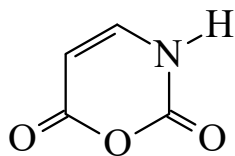




>>Entry Name: 1,3-Oxazine-2,6(3H)-dione, 9Cl

Synonym(s): Oxauracil



CAS Registry Number: 34314-63-1

Molecular Formula: C₄H₃NO₃

Molecular Weight: 113.073

Accurate Mass: 113.011294

Percentage Composition: C 42.49%; H 2.67%; N 12.39%; O 42.45%

Use/Importance: Exhibits antibacterial and antitumour activity

Physical Description: Cryst. (Et₂O/hexane)

Melting Point: Mp 158-159 dec.°

Sigma: O6251

>>Derivative: N-Me

Synonym(s): 3-Methyl-1,3-oxazine-2,6(3H)-dione, 9Cl

Molecular Formula: C₅H₅NO₃

Molecular Weight: 127.099

Accurate Mass: 127.026944

Percentage Composition: C 47.25%; H 3.97%; N 11.02%; O 37.76%

Physical Description: Cryst.

Melting Point: Mp 110-111 dec.°

References:

Washburne, S.S. *et al.*, *J.O.C.*, 1972, **37**, 1738, (*synth*)

Warren, J.D. *et al.*, *J.O.C.*, 1975, **40**, 743, (*synth*)

Macmillan, J.H., *Org. Prep. Proced. Int.*, 1977, **9**, 87, (*synth*)

Rehberg, G.M. *et al.*, *Org. Prep. Proced. Int.*, 1995, **27**, 651, (*synth*)