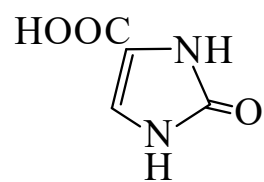




>>Entry Name: **2,3-Dihydro-2-oxo-1*H*-imidazole-4-carboxylic acid**, 9CI

Synonym(s): 2-Oxo-4-imidazolinecarboxylic acid. Glyoxalone-4-carboxylic acid



CAS Registry Number: 39828-47-2

Molecular Formula: C₄H₄N₂O₃

Molecular Weight: 128.087

Accurate Mass: 128.022193

Percentage Composition: C 37.51%; H 3.15%; N 21.87%; O 37.47%

Biological Source: Produced from *Crotalus adamanteus* venom

Melting Point: Mp 251°

pKa Value: p*K*_a 3.37

>>Derivative: Et ester

CAS Registry Number: 71123-17-6

Molecular Formula: C₆H₈N₂O₃

Molecular Weight: 156.141

Accurate Mass: 156.053493

Percentage Composition: C 46.15%; H 5.16%; N 17.94%; O 30.74%

Physical Description: Plates (EtOH aq.)

Melting Point: Mp 255°

References:

Otter, B.A. *et al.*, *J.O.C.*, 1968, **33**, 3593, (*synth, spectra*)

Cooper, A.J.L. *et al.*, *J. Biol. Chem.*, 1973, **248**, 8499, (*biosynth*)

Stanovnik, B. *et al.*, *Heterocycles*, 1979, **12**, 761, (*synth*)