>>**Entry Name: *N*-Formyl-*N*-hydroxyglycine,** 9CI, 8CI
Synonym(s): *N*-Formylhydroxyaminoacetic acid. Hadacidin. Asymmetrin

CAS Registry Number: 689-13-4

$HOOCCH_2N(OH)CHO$

Molecular Formula: $C_3H_5NO_4$
Molecular Weight: 119.077
Accurate Mass: 119.021859
Percentage Composition: C 30.26%; H 4.23%; N 11.76%; O 53.74%
General Statement: Amino acid antibiotic
Biological Source: Isol. from *Penicillium frequentans*. Also from other *Penicillium* spp. and *Byssochlamys nivea*
Use/Importance: Antitumour agent and plant growth inhibitor
Physical Description: Unstable cryst. (Me_2CO/petrol)
Melting Point: Mp 119-120°
Solubility: BERDY SOL: Sol. H_2O, EtOH, Et_2O, Me_2CO, MeOH
UV: [neutral] λ_{max} 0 (end) (ε) (H_2O) (Derep) [neutral] λ_{max} (H_2O) (Berdy)
Hazard & Toxicity: LD_{50} (rat, ipr) 5000 mg/kg. Exp. reprod. and teratogenic effects

>>**Derivative:** Mono-Na salt
Physical Description: Cryst. + $2H_2O$ (EtOH aq.)
Melting Point: Mp 191-193°

>>**Derivative:** Di-Na salt

Physical Description: Cryst.

>>**Derivative:** Me ester

Physical Description: Cryst. (Me_2CO/petrol)
Melting Point: Mp 71-72°

References:

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