



Molecular Formula: C₈H₁₂N₂O₆

Molecular Weight: 232.193

Accurate Mass: 232.069538

Percentage Composition: C 41.38%; H 5.21%; N 12.06%; O 41.34%

Other Data: Dec. at 235°

>>**Variant:** (2*RS*,3*SR*)-form

Synonym(s): *meso*-form

CAS Registry Number: 23220-52-2

Molecular Formula: C₄H₈N₂O₄

Molecular Weight: 148.118

Accurate Mass: 148.048408

Percentage Composition: C 32.44%; H 5.44%; N 18.91%; O 43.21%

Physical Description: Prisms (H₂O)

Melting Point: Mp 305-306°

Solubility: Prac. insol. H₂O, most org. solvs.

Other Data: Dec. and part. sublimes on heating

Sigma: D6796

>>**Derivative:** *N,N'*-Di-Ac

Physical Description: Cryst. (MeOH)

Melting Point: Mp 237-238 dec.°

>>**Derivative:** Di-Et ester

Molecular Formula: C₈H₁₆N₂O₄

Molecular Weight: 204.225

Accurate Mass: 204.111008

Percentage Composition: C 47.05%; H 7.90%; N 13.72%; O 31.34%

Physical Description: Needles

Melting Point: Mp 38°

Boiling Point: Bp₁₅ 164-166°

References:

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Werner, W., *J.O.C.*, 1948, **13**, 26, (*synth*)

McKennis, H. *et al.*, *J.O.C.*, 1958, **23**, 980, (*synth*)

Hochstein, F.A., *J.O.C.*, 1959, **24**, 679, (*isol*)

Gershon, H. *et al.*, *J.O.C.*, 1962, **27**, 463, (*synth*)

Nijs, R.L.L.M. *et al.*, *Acta Cryst. C*, 1988, **44**, 921, (*cryst struct*)

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