



>>Entry Name: *N,N'*-Dihydroxyoctanediamide, 9Cl

Synonym(s): Suberohydroxamic acid

CAS Registry Number: 38937-66-5

HONHCO(CH₂)₆CONHOH

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%

Use/Importance: Has strong affinity for Fe(III) ions. Model for the naturally occurring siderophore, rhodotorulic acid (see Rhodotorulic acid [CWK00-P](#))

Physical Description: Cryst. (EtOH)

Melting Point: Mp 135-140°. Mp 162-163°

Aldrich: 39058-5

References:

Das, M.K. *et al.*, *J. Chem. Eng. Data*, 1984, **29**, 345, (*synth, pmr, ir*)

Brown, D.A. *et al.*, *Synth. Commun.*, 1985, **15**, 1159, (*synth, ir, pmr*)

Brown, D.A. *et al.*, *Inorg. Chem.*, 1986, **25**, 3792, (*synth, pmr, ir, props*)

Das, M.K. *et al.*, *Transition Met. Chem. (London)*, 1990, **15**, 468, (*props*)