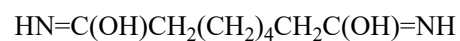




>>Entry Name: Octanediimidic acid, 9Cl

Synonym(s): Suberimidic acid, 8Cl



Molecular Formula: $\text{C}_8\text{H}_{16}\text{N}_2\text{O}_2$

Molecular Weight: 172.227

Accurate Mass: 172.121178

Percentage Composition: C 55.79%; H 9.36%; N 16.27%; O 18.58%

>>Derivative: Di-Me ester

CAS Registry Number: 29878-26-0

Extra CAS Registry Numbers(s): 34490-86-3

Molecular Formula: $\text{C}_{10}\text{H}_{20}\text{N}_2\text{O}_2$

Molecular Weight: 200.28

Accurate Mass: 200.152478

Percentage Composition: C 59.97%; H 10.06%; N 13.99%; O 15.98%

Use/Importance: Crosslinking agent for polypeptides and proteins

Biological Use/Importance: Pharmacological tool

Physical Description: Cryst. (as dihydrochloride)

Melting Point: Mp 214-215 dihydrochloride°

>>Derivative: Dihydrazide

Molecular Formula: $\text{C}_8\text{H}_{20}\text{N}_6$

Molecular Weight: 200.286

Accurate Mass: 200.174944

Percentage Composition: C 47.98%; H 10.06%; N 41.96%

Physical Description: Cryst. (EtOH)

Melting Point: Mp 124°

References:

- Kauffmann, T. *et al.*, *Chem. Ber.*, 1966, **99**, 2600-2606, (*dihydrazide*)
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Kohlhaw, G. *et al.*, *Biochem. Biophys. Res. Commun.*, 1971, **43**, 741-746, (*di-Me ester, synth, use*)
Tinberg, H.M. *et al.*, *Arch. Biochem. Biophys.*, 1976, **172**, 734-740, (*pharmecol*)
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Charlton, J.P. *et al.*, *Biochem. J.*, 1983, **209**, 581-586, (*di-Me ester, use*)