



>>Entry Name: 1,4-Piperazinediethanol, 9Cl, 8Cl

Synonym(s): 1,4-Bis(2-hydroxyethyl)piperazine



CAS Registry Number: 122-96-3

Molecular Formula: C₈H₁₈N₂O₂

Molecular Weight: 174.242

Accurate Mass: 174.136828

Percentage Composition: C 55.15%; H 10.41%; N 16.08%; O 18.36%

Physical Description: Cryst. (EtOH)

Melting Point: Mp 135-135.5°

Boiling Point: Bp₅₀ 215-220°

Solubility: Sol. H₂O

>>Derivative: Hydrochloride (1:2)

CAS Registry Number: 22277-74-3

Physical Description: Cryst. + 2H₂O (EtOH)

Melting Point: Mp 200-202°

>>Derivative: Hydrobromide (1:2)

Physical Description: Cryst. + 2H₂O (Me₂CO)

Melting Point: Mp 190-192°

>>Derivative: Nitrate (1:2)

Physical Description: Cryst. (EtOH)

Melting Point: Mp 177-178°

References:

McElvain, S.M. *et al.*, *J.C.S.*, 1908, **93**, 1793-1807, (*synth*)

Adelson, D.E. *et al.*, *J.A.C.S.*, 1935, **57**, 1988-1989, (*synth*)

Faust, G. *et al.*, *J. Prakt. Chem.*, 1963, **21**, 113-130, (*synth*)