



>>Entry Name: 1,2-Diamino-1,2-ethanediol, 9CI

CAS Registry Number: 103538-65-4

Extra CAS Registry Numbers(s): 93241-62-4

HOCH(NH₂)CH(NH₂)OH

Molecular Formula: C₂H₈N₂O₂

Molecular Weight: 92.097

Accurate Mass: 92.058578

Percentage Composition: C 26.08%; H 8.76%; N 30.42%; O 34.74%

Source/Synthesis: Obt. by ring opening of a piperazine

Physical Description: Cryst. (as hydrochloride)

Melting Point: Mp 132-133° (hydrochloride)

Other Data: Stereochem. not known

>>Derivative: N,N'-Di-2-propenoyl

CAS Registry Number: 868-63-3

Extra CAS Registry Numbers(s): 4522-47-8 4525-43-3

Molecular Formula: C₈H₁₂N₂O₄

Molecular Weight: 200.194

Accurate Mass: 200.079708

Percentage Composition: C 48.00%; H 6.04%; N 13.99%; O 31.97%

Physical Description: Cryst. (EtOH aq.)

Melting Point: Mp 158°

References:

Japan. Pat., 1962, 64 15 816; CA, **62**, 6398d, (bisacrylamide)

Yoshizawa, M. et al., Kogyo Kagaku Zasshi, 1965, **68**, 1675-1680; CA, **64**, 1951d, (bisacrylamide)

O'Connell, P.B.H. et al., Anal. Biochem., 1976, **76**, 63-73, (bisacrylamide)

Nurgatin, V.V. et al., Khim. Geterotsikl. Soedin., 1985, **21**, 1265-1266; Chem. Heterocycl. Compd. (Engl. Transl.), 1985, **21**, 1057, (synth)