



>>Entry Name: 2-[(3-Aminopropyl)amino]ethanethiol, 9Cl

Synonym(s): *N*-(2-Mercaptoethyl)-1,3-propanediamine. WR 1065

CAS Registry Number: 31098-42-7

$\text{H}_2\text{NCH}_2\text{CH}_2\text{CH}_2\text{NHCH}_2\text{CH}_2\text{SH}$

Molecular Formula: $\text{C}_5\text{H}_{14}\text{N}_2\text{S}$

Molecular Weight: 134.245

Accurate Mass: 134.087768

Percentage Composition: C 44.74%; H 10.51%; N 20.87%; S 23.89%

Biological Use/Importance: Metab. of and parent of Amifostine [BGW69-F](#). Radioprotective agent

Physical Description: Solid

Boiling Point: $\text{Bp}_{0.1}$ 62°

>>Derivative: Hydrochloride (1:2)

CAS Registry Number: 14653-77-1

Melting Point: Mp 165° (dec.)

References:

Wineman, R.J. *et al.*, *J.O.C.*, 1962, **27**, 4222-4226, (*synth*)

Grdina, D.J. *et al.*, *Pharmacol. Ther.*, 1988, **39**, 21-25, (*rev*)

Ryan, S.V. *et al.*, *J. Clin. Pharmacol.*, 1996, **36**, 365-373, (*pharmacol*)

Rubin, D.B. *et al.*, *Radiat. Res.*, 1996, **145**, 210-216; 217-224, (*activity*)