



>>Entry Name: **1-Amino-2-methyl-2-propanethiol**, 9Cl, 8Cl

Synonym(s): 1-Amino-2-mercapto-2-methylpropane

CAS Registry Number: 7684-18-6

$(\text{H}_3\text{C})_2\text{C}(\text{SH})\text{CH}_2\text{NH}_2$

Molecular Formula: $\text{C}_4\text{H}_{11}\text{NS}$

Molecular Weight: 105.204

Accurate Mass: 105.061219

Percentage Composition: C 45.67%; H 10.54%; N 13.31%; S 30.48%

>>Derivative: Hydrochloride

CAS Registry Number: 32047-53-3

Physical Description: Solid (EtOH/EtOAc)

Melting Point: Mp 220-222° (202-203°)

Aldrich: 38954-4

>>Derivative: *N*-Ac

CAS Registry Number: 89584-09-8

Molecular Formula: $\text{C}_6\text{H}_{13}\text{NOS}$

Molecular Weight: 147.241

Accurate Mass: 147.071784

Percentage Composition: C 48.94%; H 8.90%; N 9.51%; O 10.87%; S 21.78%

Physical Description: No phys. props. descr.

References:

Crooks, H.M. *et al.*, *CA*, 1950, **44**, 9439d, (*synth*)

Carroll, F.I., *J.O.C.*, 1963, **28**, 1240

Roy, B. *et al.*, *J.O.C.*, 1994, **59**, 7019, (*synth*, *pmr*, *ir*, *cmr*)