



>>Entry Name: **2-Amino-2-ethyl-1,3-propanediol**, 9CI, 8CI

Synonym(s): 2-Amino-2-hydroxymethyl-1-butanol

CAS Registry Number: 115-70-8

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

Molecular Formula: $\text{C}_5\text{H}_{13}\text{NO}_2$

Molecular Weight: 119.163

Accurate Mass: 119.094629

Percentage Composition: C 50.40%; H 11.00%; N 11.75%; O 26.85%

Use/Importance: Emulsifying agent, drying oil. Absorbs CO_2 and H_2S from flue gases

Melting Point: Mp 35-37°

Boiling Point: Bp₈ 146°

Aldrich: 38168-3

Sigma: A6004

References:

Aldrich Library of ^{13}C and ^1H FT NMR Spectra, 1992, **1**, 552A, (nmr)

Aldrich Library of FT-IR Spectra, 1st edn., 1985, **1**, 348B, (ir)

Johnson, K. *et al.*, *J.O.C.*, 1943, **8**, 7, (synth)

Ponomarev, A.A. *et al.*, *J. Org. Chem. USSR (Engl. Transl.)*, 1972, **8**, 527, (synth, bibl)