



>>Entry Name: 1,2-Propanedithiol, 9CI

ENTRY UNDER REVIEW

Synonym(s): 1,2-Dimercaptopropane. Dithiopropylene glycol. Propylene dithioglycol. FEMA 3520

CAS Registry Number: 814-67-5

H3CCH(SH)CH2SH

Molecular Formula: C3H8S2

Molecular Weight: 108.228

Accurate Mass: 108.00674

Percentage Composition: C 33.29%; H 7.45%; S 59.26%

Hazard & Toxicity: LD₅₀ (mus, orl) 153 mg/kg

Rare Chemicals Library: S46223-3

>>Variant: (±)-form

Molecular Formula: C3H8S2

Molecular Weight: 108.228

Accurate Mass: 108.00674

Percentage Composition: C 33.29%; H 7.45%; S 59.26%

Use/Importance: Antiarsenical

Physical Description: Oil

Boiling Point: Bp 152°. Bp₂₈ 60°

Refractive Index: n_D²⁰ 1.5310

References:

U.K. Pat., 1946, 579 971; *CA*, **41**, 2077, (*synth*)

Fitt, P.S. *et al.*, *J.C.S.*, 1957, 2240, (*synth*)

Iqbal, S.M. *et al.*, *J.C.S.*, 1960, 1030, (*synth*)

Fenaroli's Handbook of Flavor Ingredients, 3rd edn., (ed. Burdock, G.A.), CRC Press, 1995, **2**, 685

Encyclopedia of Food and Color Additives, (ed. Burdock, G.A.), CRC Press, 1997, 2327-2328