



Percentage Composition: C 65.02%; H 6.06%; O 9.62%; S 19.29%

Physical Description: Oil

Boiling Point: Bp₂₀ 130-131°. Bp_{0.05} 62-70°

Refractive Index: n_D²⁰ 1.5600

Aldrich: 37680-9

>>**Derivative:** 2-Propenyl ester

Synonym(s): *S*-2-Propenyl propanethioate. *S*-Allyl thiopropionate. FEMA 3329

CAS Registry Number: 41820-22-8

Molecular Formula: C₆H₁₀OS

Molecular Weight: 130.21

Accurate Mass: 130.045235

Percentage Composition: C 55.35%; H 7.74%; O 12.29%; S 24.63%

References:

Hubacher, K., *Annalen*, 1890, **259**, 228, (*synth*)

Weigert, F., *Ber.*, 1903, **36**, 1007, (*synth*)

Delépine, M., *Bull. Soc. Chim. Fr.*, 1911, **9**, 907

Caserio, M.C. *et al.*, *J.A.C.S.*, 1983, **105**, 6896, (*ms*)

Fujimoto, K. *et al.*, *Chem. Pharm. Bull.*, 1986, **34**, 999, (*synth*)

Ahmad, S. *et al.*, *Tet. Lett.*, 1986, **27**, 3791, (*S-Ph ester*)

Danheiser, R.L. *et al.*, *J.O.C.*, 1991, **56**, 1176, (*S-Ph ester*)

Fenaroli's Handbook of Flavor Ingredients, 3rd edn., (ed. Burdock, G.A.), CRC Press, 1995, **1**, 3329, (*2-propenyl ester*)

Encyclopedia of Food and Color Additives, (ed. Burdock, G.A.), CRC Press, 1997, 101-102, (*2-propenyl ester*)