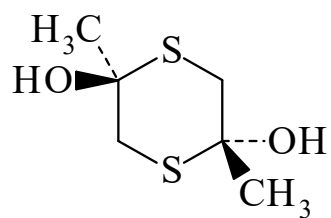




>>Entry Name: **2,5-Dimethyl-1,4-dithiane-2,5-diol**, 9CI

Synonym(s): 2,5-Dihydroxy-2,5-dimethyl-1,4-dithiane



CAS Registry Number: 55704-78-4

Related CAS Registry Numbers(s): 90200-29-6

Molecular Formula: $C_6H_{12}O_2S_2$

Molecular Weight: 180.292

Accurate Mass: 180.02787

Percentage Composition: C 39.97%; H 6.71%; O 17.75%; S 35.57%

>>Variant: (2*RS*,5*SR*)-form

Synonym(s): *trans*-form

CAS Registry Number: 146511-93-5

Molecular Formula: $C_6H_{12}O_2S_2$

Molecular Weight: 180.292

Accurate Mass: 180.02787

Percentage Composition: C 39.97%; H 6.71%; O 17.75%; S 35.57%

Use/Importance: Dimer of 1-Mercapto-2-propanone [BZL41-R](#)

Physical Description: Cryst. (C_6H_6)

Melting Point: Mp 117-118°. Mp 136-138° (dimorph.)

Other Data: Cryst. form depends on method of prepn. *meso*-

References:

Haberl, R. *et al.*, *Monatsh. Chem.*, 1955, **86**, 551, (*synth, ir, cryst struct*)

Brown, M.D. *et al.*, *J.C.S. Perkin 1*, 1985, 1623, (*synth, ir, pmr, ms, use*)