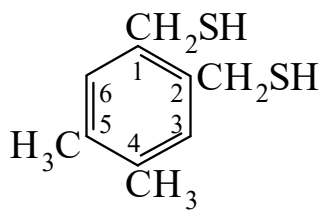




>>Entry Name: **4,5-Dimethyl-1,2-benzenedimethanethiol**, 9CI

Synonym(s): 4,5-Dimethyl-*o*-xylene- α,α' -dithiol. 1,2-Dimethyl-4,5-bis(mercaptomethyl)benzene



CAS Registry Number: 10230-61-2

Molecular Formula: C₁₀H₁₄S₂

Molecular Weight: 198.353

Accurate Mass: 198.05369

Percentage Composition: C 60.55%; H 7.11%; S 32.33%

Use/Importance: Reagent for characterisation of carbonyl compds.

Physical Description: Fine needles (hexane)

Melting Point: Mp 66-67°

Aldrich: 18407-1

References:

Aldrich Library of ¹³C and ¹H FT NMR Spectra, 1992, **2**, 429A, (*nmr*)

Aldrich Library of FT-IR Spectra, 1st edn., 1985, **1**, 1180C, (*ir*)

Shahak, I. *et al.*, *J.C.S.(C)*, 1966, 1005, (*synth, use*)

Gross, H. *et al.*, *J. Prakt. Chem.*, 1978, **320**, 255, (*synth*)