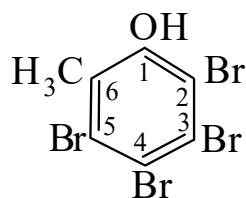




>>Entry Name: **2,3,4,5-Tetrabromo-6-methylphenol**, 9Cl

Synonym(s): 3,4,5,6-Tetrabromo-*o*-cresol, 8Cl. Remanol



CAS Registry Number: 576-55-6

Molecular Formula: C₇H₄Br₄O

Molecular Weight: 423.724

Accurate Mass: 419.779559

Percentage Composition: C 19.84%; H 0.95%; Br 75.43%; O 3.78%

Use/Importance: Antibacterial, deodorant

Physical Description: Cryst. (CHCl₃ or AcOH)

Melting Point: Mp 208°

Hazard & Toxicity: Corrosive to skin

Aldrich: 27708-8

>>Derivative: Ac

Molecular Formula: C₉H₆Br₄O₂

Molecular Weight: 465.761

Accurate Mass: 461.790124

Percentage Composition: C 23.21%; H 1.30%; Br 68.62%; O 6.87%

Physical Description: Cryst. (EtOH)

Melting Point: Mp 154°

>>Derivative: Me ether

Synonym(s): 1,2,3,4-Tetrabromo-5-methoxy-6-methylbenzene

Molecular Formula: C₈H₆Br₄O

Molecular Weight: 437.751

Accurate Mass: 433.795209

Percentage Composition: C 21.95%; H 1.38%; Br 73.01%; O 3.65%

Physical Description: Cryst. (AcOH)

Melting Point: Mp 140.5°

References:

Aldrich Library of 13C and 1H FT NMR Spectra, 1992, **2**, 293C, (*nmr*)

Bodroux, M.F., *C. R. Hebd. Seances Acad. Sci.*, 1898, **126**, 1282, (*synth*)

Anselmino, O., *Ber.*, 1902, **35**, 144, (*deriv*)

Bonneaud, M.A., *Bull. Soc. Chim. Fr.*, 1910, **7**, 776, (*synth*)

Kämmerer, H. *et al.*, *Spectrochim. Acta A*, 1968, **24**, 2059, (*uv*)

Lewis, R.J., *Sax's Dangerous Properties of Industrial Materials*, 8th edn., Van Nostrand Reinhold, 1992, TBJ500