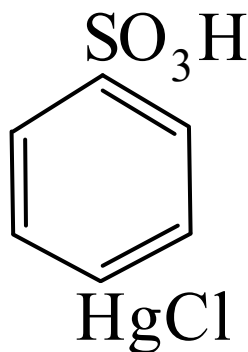




>>Entry Name: 4-Chloromercuribenzenesulfonic acid

Synonym(s): Chloro(4-sulfophenyl)mercury, gCl. *p*-Chloromercuriphenylsulfonic acid. PCMPS. PCMBS



CAS Registry Number: 554-77-8

Molecular Formula: C<sub>6</sub>H<sub>5</sub>ClHgO<sub>3</sub>S

Molecular Weight: 393.212

Accurate Mass: 393.935409

Percentage Composition: C 18.33%; H 1.28%; Cl 9.02%; Hg 51.01%; O 12.21%; S 8.15%

Source/Synthesis: Synth. from [4-HO<sub>3</sub>SC<sub>6</sub>H<sub>4</sub>N<sub>2</sub>]<sup>+</sup>BF<sub>4</sub><sup>-</sup>, HgCl<sub>2</sub> and SnCl<sub>2</sub>

Physical Description: Solid

Solubility: Sol. NH<sub>3</sub> aq.

>>Derivative: Na salt

CAS Registry Number: 14110-97-5

Aldrich: 23387-0

Fluka: 25015

Sigma: C4503

#### References:

*Aldrich Library of FT-IR Spectra, 1st edn.*, 1985, **2**, 503D, (*ir*)

*Aldrich Library of NMR Spectra, 2nd edn.*, 1983, **2**, 825A, (*nmr*)

Dunker, M.F.W. *et al.*, *J.A.C.S.*, 1936, **58**, 2308, (*synth*)

Cecil, R. *et al.*, *Biochem. J.*, 1962, **82**, 247, (*use*)

Pajot, P. *et al.*, *J. Biol. Chem.*, 1967, **242**, 3555, (*use*)

Nakae, H. *et al.*, *Chem. Pharm. Bull.*, 1978, **26**, 88, (*use*)