
Product Data Sheet

Product Name: Tetrachlorocatechol

Cat. No.: GC61324

Chemical Properties

Cas. No. 1198-55-6

SMILES OC1=C(Cl)C(Cl)=C(Cl)C(Cl)=C1OFormula $C_6H_2Cl_4O_2$

M.Wt 247.89

Solubility DMSO : 100 mg/mL (403.40 mM; Need ultrasonic) Storage Store at -20°C

General tips For obtaining a higher solubility , please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution : ship with blue ice All other available size: ship with RT , or blue ice upon request.

Structure **Background**

Tetrachlorocatechol is a metabolite of pentachlorophenol. Tetrachlorocatechol is one of the most toxic chlorinated catechol produced by the chlorobleaching of pulp and frequently found in the kraft pulp mill effluents[1][2].

[1]. G. Renner, et al. Acute toxicities of pentachlorophenol, pentachloroanisole, tetrachlorohydroquinone, tetrachlorocatechol, tetrachlororesorcinol, tetrachlorodimethoxybenzenes and tetrachlorobenzenediol diacetates administered to mice, *Toxicological & Environmental Chemistry*, 11:1, 37-50. [2]. Mukherjee, et al. Evaluation of Acute Toxicity Levels and Ethological Responses Under Tetrachlorocatechol Exposure in Common Carp, *Cyprinus carpio* (Linnaeus). *Proc Zool Soc* 67, 108-113 (2014).

Caution: Product has not been fully validated for medical applications. For research use only.

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