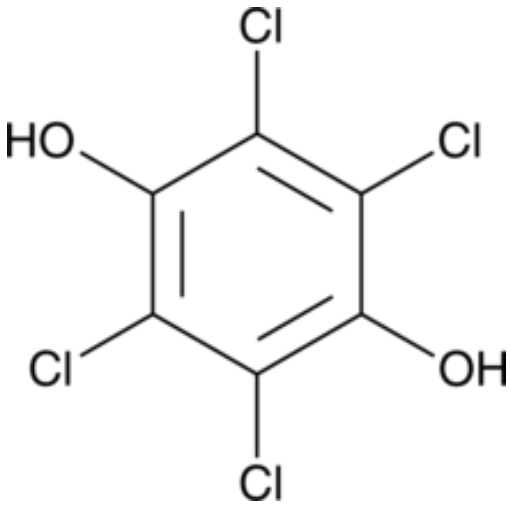
Product Data Sheet

Product Name: Tetrachlorohydroquinone
Cat. No.: GC45020

Chemical Properties

Cas. No.	87-87-6		
SMILES	OC1=C(Cl)C(Cl)=C(O)C(Cl)=C1Cl		
Formula	C6H2Cl4O2	M.Wt	247.9
Solubility	DMF: 30 mg/ml,DMSO: 30 mg/ml,Ethanol: 30 mg/ml,Ethanol:PBS(pH 7.2) (1:1): 0.5 mg/ml	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

Tetrachlorohydroquinone (TCHQ) is a metabolite of the organochlorine biocide pentachlorophenol. It is cytotoxic to RTL-W1 rainbow trout liver cells (EC50 = 1.55 μM in a neutral red assay). TCHQ increases production of reactive oxygen species (ROS), inhibits apoptosis, and induces loss of the mitochondrial membrane potential and necrosis in splenocytes. In vivo, TCHQ induces glutathione

(GSH) depletion in mouse liver.