Product Data Sheet

Product Name:	Hexachlorophene
Cat. No.:	GC10497

Chemical Properties

Cas. No.	70-30-4		
Chemical Name	6,6'-methylenebis(2,4,5-trichlorophenol)		
SMILES	ClC1=CC(Cl)=C(Cl)C(CC2=C(Cl)C(Cl)=CC(Cl)=C2O)=C1O		
Formula	$C_{13}H_6Cl_6O_2$	M.Wt	406.9
Solubility	≥ 40.7mg/mL in DMSO	Storage	Store at -20°C
General tips	For obtaining a higher solubility , please warm the tube at 37 ℃ and shake it in the ultrasonic bath for a while.Stock solution can be stored below -20℃ 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	Hexachlorophene		

Background

Hexachlorophene (Hexachlorofen) is a highly effective antibacterial agent, causes lysis of protoplasts and leakage ofintracellular contents in bacterial at high concentrations[1]. Hexachlorophene (Hexachlorofen) is also a KCNQ1/KCNE1 (a voltage-gated potassium channel) activator, with an EC50 of 4.61 μM, used in the research of severe arrhythmia[2].

References:
[1]. Lloyd WJ, et al. Cyclohexane triones, novel membrane-active antibacterial agents. Antimicrob Agents Chemother. 1988 Jun;32(6):814-8.
[2]. Zheng Y, et al. Hexachlorophene is a potent KCNQ1/KCNE1 potassium channel activator which rescues LQTs mutants. PLoS One. 2012;7(12):e51820.

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