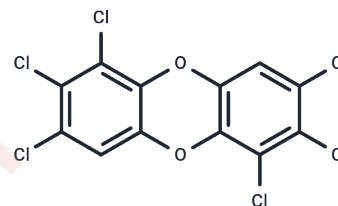


1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin

Chemical Properties

CAS No. :	57653-85-7
Formula:	C ₁₂ H ₂ Cl ₆ O ₂
Molecular Weight:	390.86
Storage:	Keep away from moisture Powder: -20°C for 3 years In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>



Biological Description

Description	1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin, a polychlorinated dibenzodioxin (PCDD), acts as an agonist for the aryl hydrocarbon receptor (AhR; EC ₅₀ s = 5.4 and 9.3 nM at 4 and 8 h, respectively, in a reporter assay). It has been observed to reduce antibody production against sheep red blood cells in mice at doses of 0.5 and 2 µg/kg. This compound has been detected in animal feed and in the vicinity of municipal waste incinerators.
Targets(IC ₅₀)	Aryl Hydrocarbon Receptor

Solubility Information

Solubility	nonane:toluene (8:2): soluble (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.5585 mL	12.7923 mL	25.5846 mL
5 mM	0.5117 mL	2.5585 mL	5.1169 mL
10 mM	0.2558 mL	1.2792 mL	2.5585 mL
50 mM	0.0512 mL	0.2558 mL	0.5117 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

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