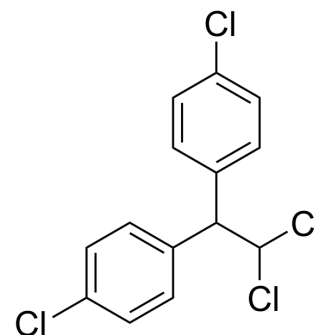


p,p'-DDD

Cat. No.:	HY-B1984
CAS No.:	72-54-8
Molecular Formula:	C ₁₄ H ₁₀ Cl ₄
Molecular Weight:	320.04
Target:	Drug Metabolite
Pathway:	Metabolic Enzyme/Protease
Storage:	4°C, sealed storage, away from moisture and light * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture and light)



SOLVENT & SOLUBILITY

In Vitro	DMSO : 100 mg/mL (312.46 mM; Need ultrasonic)					
	Preparing Stock Solutions	Solvent \ Concentration	Mass	1 mg	5 mg	10 mg
		1 mM		3.1246 mL	15.6230 mL	31.2461 mL
		5 mM		0.6249 mL	3.1246 mL	6.2492 mL
		10 mM		0.3125 mL	1.5623 mL	3.1246 mL
Please refer to the solubility information to select the appropriate solvent.						
In Vivo	1. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.5 mg/mL (7.81 mM); Clear solution					

BIOLOGICAL ACTIVITY

Description	p,p'-DDD is a major metabolite of p,p'-DDT. p,p'-DDD occurs in the feces and livers of rats, that are given p,p'-DDT by stomach tube, but not of rats injected intraperitoneally with p,p'-DDT ^{[1][2]} .
--------------------	--

REFERENCES

- [1]. Mendel JL, et al. Conversion of p,p'-DDT to p,p'-DDD by intestinal flora of the rat. *Science*. 1966;151(3717):1527-1528.
- [2]. Gerić M, et al. Cytogenetic status of human lymphocytes after exposure to low concentrations of p,p'-DDT, and its metabolites (p,p'-DDE, and p,p'-DDD) in vitro. *Chemosphere*. 2012;87(11):1288-1294.

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

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA