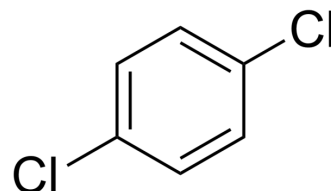


1,4-Dichlorobenzene

Cat. No.:	HY-Y0496		
CAS No.:	106-46-7		
Molecular Formula:	C ₆ H ₄ Cl ₂		
Molecular Weight:	147		
Target:	Insecticide		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



SOLVENT & SOLUBILITY

In Vitro	DMSO : 100 mg/mL (680.25 mM; Need ultrasonic)				
	Preparing Stock Solutions	Solvent	1 mg	5 mg	10 mg
		Concentration			
		1 mM	6.8025 mL	34.0127 mL	68.0254 mL
		5 mM	1.3605 mL	6.8025 mL	13.6051 mL
	10 mM	0.6803 mL	3.4013 mL	6.8025 mL	
Please refer to the solubility information to select the appropriate solvent.					
In Vivo	1. Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline Solubility: ≥ 2.5 mg/mL (17.01 mM); Clear solution				
	2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.5 mg/mL (17.01 mM); Clear solution				
	3. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.5 mg/mL (17.01 mM); Clear solution				

BIOLOGICAL ACTIVITY

Description	1,4-Dichlorobenzene is used as an intermediate product in the manufacture of pigments, pesticides and disinfectants. 1,4-Dichlorobenzene is also employed as a moth control agent ^[1] .
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REFERENCES

[1]. M. Tschickardt. Dichlorobenzene isomers (1,2-dichlorobenzene, 1,3-dichlorobenzene and 1,4 dichlorobenzene).

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

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