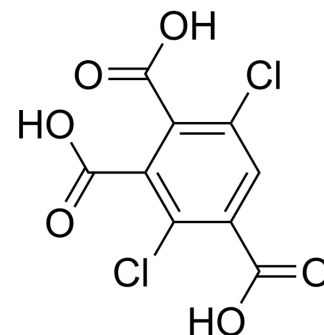


## 3,6-Dichlorotrimellitic acid

Cat. No.:	HY-D0828
CAS No.:	137071-78-4
Molecular Formula:	C <sub>9</sub> H <sub>4</sub> Cl <sub>2</sub> O <sub>6</sub>
Molecular Weight:	279.03
Target:	DNA Stain
Pathway:	Cell Cycle/DNA Damage
Storage:	-20°C, protect from light * In solvent : -80°C, 6 months; -20°C, 1 month (protect from light)



### SOLVENT & SOLUBILITY

In Vitro	DMSO : 250 mg/mL (895.96 mM; Need ultrasonic)				
		Solvent Concentration	Mass 1 mg	5 mg	10 mg
	Preparing Stock Solutions	1 mM	3.5838 mL	17.9192 mL	35.8384 mL
		5 mM	0.7168 mL	3.5838 mL	7.1677 mL
		10 mM	0.3584 mL	1.7919 mL	3.5838 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: ≥ 2.08 mg/mL (7.45 mM); Clear solution				
	2. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.08 mg/mL (7.45 mM); Clear solution				

### BIOLOGICAL ACTIVITY

Description	3,6-Dichlorotrimellitic acid is the key precursor that is used for preparing a variety of dichlorinated fluoresceins and rhodamines such as TET and HEX. These chlorinated fluoresceins and rhodamines are widely used for labeling oligos and in DNA sequencing.
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**Caution: Product has not been fully validated for medical applications. For research use only.**

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