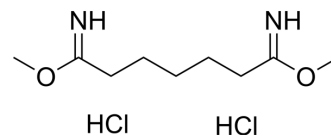


## Dimethyl pimelimidate dihydrochloride

<b>Cat. No.:</b>	HY-W123005
<b>CAS No.:</b>	58537-94-3
<b>Molecular Formula:</b>	C <sub>9</sub> H <sub>20</sub> Cl <sub>2</sub> N <sub>2</sub> O <sub>2</sub>
<b>Molecular Weight:</b>	259.17
<b>Target:</b>	Biochemical Assay Reagents
<b>Pathway:</b>	Others
<b>Storage:</b>	4°C, sealed storage, away from moisture * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture)



### SOLVENT & SOLUBILITY

<b>In Vitro</b>	DMSO : 100 mg/mL (385.85 mM; Need ultrasonic)					
	H <sub>2</sub> O : 100 mg/mL (385.85 mM; Need ultrasonic)					
	<b>Preparing Stock Solutions</b>	<b>Solvent</b>	<b>Mass</b>	<b>1 mg</b>	<b>5 mg</b>	<b>10 mg</b>
		<b>Concentration</b>				
		<b>1 mM</b>		3.8585 mL	19.2924 mL	38.5847 mL
<b>5 mM</b>			0.7717 mL	3.8585 mL	7.7169 mL	
	<b>10 mM</b>		0.3858 mL	1.9292 mL	3.8585 mL	
Please refer to the solubility information to select the appropriate solvent.						
<b>In Vivo</b>	1. Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline Solubility: ≥ 2.5 mg/mL (9.65 mM); Clear solution  2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.5 mg/mL (9.65 mM); Clear solution					

### BIOLOGICAL ACTIVITY

<b>Description</b>	Dimethyl pimelimidate dihydrochloride (DMP) is a protein crosslinker that can be used in chromatin immunoprecipitation experiments (ChIP) to enhance signal <sup>[1]</sup> .
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### REFERENCES

[1]. Milne TA, et al. Chromatin immunoprecipitation (ChIP) for analysis of histone modifications and chromatin-associated proteins. Methods Mol Biol. 2009;538:409-23.

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

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