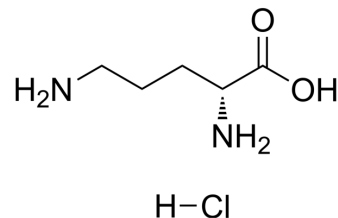


## D-Ornithine hydrochloride

<b>Cat. No.:</b>	HY-34516
<b>CAS No.:</b>	16682-12-5
<b>Molecular Formula:</b>	C <sub>5</sub> H <sub>13</sub> ClN <sub>2</sub> O <sub>2</sub>
<b>Molecular Weight:</b>	168.62
<b>Target:</b>	Endogenous Metabolite
<b>Pathway:</b>	Metabolic Enzyme/Protease
<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>	H <sub>2</sub> O : 100 mg/mL (593.05 mM; Need ultrasonic)					
	DMSO : ≥ 100 mg/mL (593.05 mM)					
	* "≥" means soluble, but saturation unknown.					
	<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>			5.9305 mL	29.6525 mL	59.3050 mL	
<b>5 mM</b>			1.1861 mL	5.9305 mL	11.8610 mL	
	<b>10 mM</b>		0.5930 mL	2.9652 mL	5.9305 mL	
Please refer to the solubility information to select the appropriate solvent.						
<b>In Vivo</b>	1. Add each solvent one by one: PBS Solubility: 100 mg/mL (593.05 mM); Clear solution; Need ultrasonic					

### BIOLOGICAL ACTIVITY

<b>Description</b>	D-Ornithine ((R)-Ornithine) hydrochloride is an endogenous metabolite.
<b>IC<sub>50</sub> &amp; Target</b>	Human Endogenous Metabolite

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

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