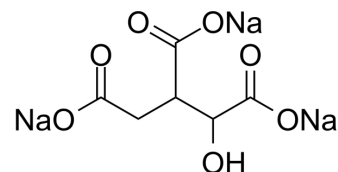


## DL-Isocitric acid trisodium salt

<b>Cat. No.:</b>	HY-W009362
<b>CAS No.:</b>	1637-73-6
<b>Molecular Formula:</b>	C <sub>6</sub> H <sub>5</sub> Na <sub>3</sub> O <sub>7</sub>
<b>Molecular Weight:</b>	258.07
<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 (387.49 mM; Need ultrasonic)					
	DMSO : < 1 mg/mL (ultrasonic) (insoluble or slightly soluble)					
	<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>		3.8749 mL	19.3746 mL	38.7492 mL
<b>5 mM</b>			0.7750 mL	3.8749 mL	7.7498 mL	
	<b>10 mM</b>		0.3875 mL	1.9375 mL	3.8749 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 (387.49 mM); Clear solution; Need ultrasonic					

### BIOLOGICAL ACTIVITY

<b>Description</b>	DL-Isocitric acid trisodium salt is an endogenous metabolite. DL-Isocitric acid trisodium salt is a substrate in the citric acid cycle. DL-Isocitric acid trisodium salt can be used as a marker for determining the composition of isocitrates in fruit products, including fruit juices.
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**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