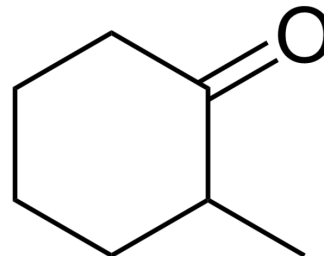


## 2-Methylcyclohexanone

<b>Cat. No.:</b>	HY-W010549		
<b>CAS No.:</b>	583-60-8		
<b>Molecular Formula:</b>	C <sub>7</sub> H <sub>12</sub> O		
<b>Molecular Weight:</b>	112.17		
<b>Target:</b>	Endogenous Metabolite		
<b>Pathway:</b>	Metabolic Enzyme/Protease		
<b>Storage:</b>	Pure form	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



### SOLVENT & SOLUBILITY

<b>In Vitro</b>	DMSO : 100 mg/mL (891.50 mM; Need ultrasonic)			
		Solvent Concentration	Mass	
			1 mg	5 mg
			10 mg	
<b>Preparing Stock Solutions</b>	1 mM	8.9150 mL	44.5752 mL	89.1504 mL
	5 mM	1.7830 mL	8.9150 mL	17.8301 mL
	10 mM	0.8915 mL	4.4575 mL	8.9150 mL
Please refer to the solubility information to select the appropriate solvent.				
<b>In Vivo</b>	<ol style="list-style-type: none"> <li>Add each solvent one by one: 10% DMSO &gt;&gt; 40% PEG300 &gt;&gt; 5% Tween-80 &gt;&gt; 45% saline Solubility: ≥ 2.5 mg/mL (22.29 mM); Clear solution</li> <li>Add each solvent one by one: 10% DMSO &gt;&gt; 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.5 mg/mL (22.29 mM); Clear solution</li> <li>Add each solvent one by one: 10% DMSO &gt;&gt; 90% corn oil Solubility: ≥ 2.5 mg/mL (22.29 mM); Clear solution</li> </ol>			

### BIOLOGICAL ACTIVITY

<b>Description</b>	2-Methylcyclohexanone is an endogenous metabolite.
<b>IC<sub>50</sub> &amp; Target</b>	Human Endogenous Metabolite

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

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