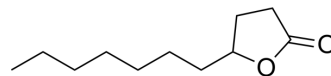


## Gamma-undecalactone

Cat. No.:	HY-W016278		
CAS No.:	104-67-6		
Molecular Formula:	C <sub>11</sub> H <sub>20</sub> O <sub>2</sub>		
Molecular Weight:	184.28		
Target:	Biochemical Assay Reagents		
Pathway:	Others		
Storage:	Pure form	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



### SOLVENT & SOLUBILITY

In Vitro	DMSO : 100 mg/mL (542.65 mM; Need ultrasonic)				
		Solvent Concentration	Mass 1 mg	5 mg	10 mg
	Preparing Stock Solutions	1 mM	5.4265 mL	27.1326 mL	54.2653 mL
		5 mM	1.0853 mL	5.4265 mL	10.8530 mL
10 mM		0.5427 mL	2.7133 mL	5.4265 mL	
Please refer to the solubility information to select the appropriate solvent.					
In Vivo	<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 (13.57 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 (13.57 mM); Clear solution</li> <li>Add each solvent one by one: 10% DMSO &gt;&gt; 90% corn oil Solubility: ≥ 2.5 mg/mL (13.57 mM); Clear solution</li> </ol>				

### BIOLOGICAL ACTIVITY

Description	Gamma-undecalactone consists of a five-membered dihydrofuran ring with an ester group and a heptyl chain. This compound has a fruity smell and is commonly used as a flavor additive in various food and beverage products such as coffee, tea and baked goods.
In Vitro	Gamma-undecalactone is a biochemical reagent that can be used as a biological material or organic compound for life science related research. MCE has not independently confirmed the accuracy of these methods. They are for reference only.

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

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