

## Undecanoic gamma-lactone

## Chemical Properties

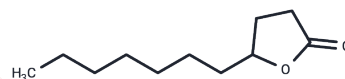
CAS No. : 104-67-6

Formula: C<sub>11</sub>H<sub>20</sub>O<sub>2</sub>

Molecular Weight: 184.28

Storage: Pure form: -20°C for 3 years | In solvent: -80°C for 1 year

Actual storage temperature shall be subject to the COA.



## Biological Description

Description	Undecanoic gamma-lactone is a natural product.
Targets(IC50)	Others

## Solubility Information

Solubility	DMSO: 60 mg/mL (325.59 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+40% PEG300+5% Tween-80+45% Saline: 2.5 mg/mL (13.57 mM),Sonication is recommended. <i>Please add the solvents sequentially, clarifying the solution as much as possible before adding the next one. Dissolve by heating and/or sonication if necessary. Working solution is recommended to be prepared and used immediately. The formulation provided above is for reference purposes only. In vivo formulations may vary and should be modified based on specific experimental conditions.</i>

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	5.4265 mL	27.1326 mL	54.2652 mL
5 mM	1.0853 mL	5.4265 mL	10.853 mL
10 mM	0.5427 mL	2.7133 mL	5.4265 mL
50 mM	0.1085 mL	0.5427 mL	1.0853 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

Aoki K , Kashiwagura Y , Horie T , et al. Characterization of Humanized Liver from Chimeric Mice Using Coumarin as a Human CYP2A6 and Mouse CYP2A5 Probe[J]. Drug Metabolism & Pharmacokinetics, 2006, 21(4):277-285.

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

This product is for Research Use Only· Not for Human or Veterinary or Therapeutic Use

Tel:781-999-4286 E\_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481