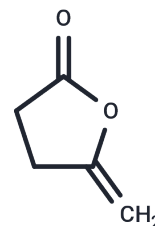


$\gamma$ -Methylene- $\gamma$ -butyrolactone

## Chemical Properties

CAS No. :	10008-73-8
Formula:	C <sub>5</sub> H <sub>6</sub> O <sub>2</sub>
Molecular Weight:	98.1
Storage:	Powder: -20°C for 3 years   In solvent: -80°C for 1 year Actual storage temperature shall be subject to the COA.



## Biological Description

Description	$\gamma$ -Methylene- $\gamma$ -butyrolactone (MBL) is a versatile and chemically reactive five-membered ring lactone monomer that is currently being actively researched as a promising sustainable alternative to conventional petroleum-based plastics, largely due to its inherent potential for efficient chemical recycling back to its monomeric state, particularly through its use as a precursor in the creation of advanced materials like polythioesters and other types of chemically recyclable polyesters.
Targets(IC50)	Others

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	10.1937 mL	50.9684 mL	101.9368 mL
5 mM	2.0387 mL	10.1937 mL	20.3874 mL
10 mM	1.0194 mL	5.0968 mL	10.1937 mL
50 mM	0.2039 mL	1.0194 mL	2.0387 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

Ogawa Y, et al. Total Synthesis of (+)-Pyrenolide D. J Org Chem. 2018 Oct 5;83(19):12315-12319.

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