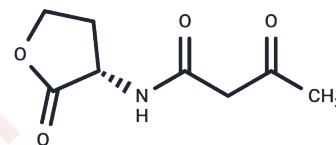


## N-(3-Oxobutanoyl)-L-homoserine lactone

## Chemical Properties

CAS No. : 148433-27-6  
 Formula: C<sub>8</sub>H<sub>11</sub>NO<sub>4</sub>  
 Molecular Weight: 185.18  
 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	N-(3-Oxobutanoyl)-L-homoserine lactone (3-oxo-C <sub>4</sub> -HSL) serves as an autoregulator for carbapenem antibiotic biosynthesis in <i>Erwinia carotovora</i> ATCC 39048 and induces the expression of rhlI in <i>R. leguminosarum</i> [1].
Targets(IC50)	Others,Antibiotic

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	5.4002 mL	27.0008 mL	54.0015 mL
5 mM	1.080 mL	5.4002 mL	10.8003 mL
10 mM	0.540 mL	2.7001 mL	5.4002 mL
50 mM	0.108 mL	0.540 mL	1.080 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.

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