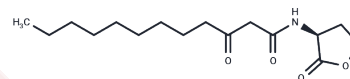


## N-3-oxo-dodecanoyl-L-Homoserine lactone

## Chemical Properties

CAS No. :	168982-69-2
Formula:	C16H27NO4
Molecular Weight:	297.39
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-oxo-dodecanoyl-L-Homoserine lactone (3-oxo-C12-HSL), a quorum-sensing signaling molecule synthesized by <i>P. aeruginosa</i> and specific <i>B. cepacia</i> complex strains [1][2], facilitates bacterial gene expression modulation in response to cell density escalation and triggers IL-8 production in 16HBE human bronchial epithelial cells [3].
Targets(IC50)	Apoptosis,ERK,Others,NF-κB,Caspase,Antibacterial,ROS

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.3626 mL	16.8129 mL	33.6259 mL
5 mM	0.6725 mL	3.3626 mL	6.7252 mL
10 mM	0.3363 mL	1.6813 mL	3.3626 mL
50 mM	0.0673 mL	0.3363 mL	0.6725 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.

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