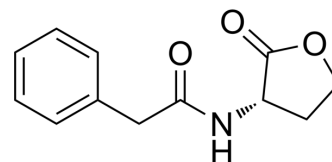


N-Phenylacetyl-L-homoserine lactone

Cat. No.:	HY-137407	
CAS No.:	55154-48-8	
Molecular Formula:	C ₁₂ H ₁₃ NO ₃	
Molecular Weight:	219.24	
Target:	Bacterial	
Pathway:	Anti-infection	
Storage:	Powder	-20°C 3 years
	In solvent	-80°C 6 months
		-20°C 1 month



SOLVENT & SOLUBILITY

In Vitro

DMSO : ≥ 125 mg/mL (570.15 mM)
 * "≥" means soluble, but saturation unknown.

Preparing Stock Solutions	Solvent Concentration	Mass		
		1 mg	5 mg	10 mg
	1 mM	4.5612 mL	22.8061 mL	45.6121 mL
	5 mM	0.9122 mL	4.5612 mL	9.1224 mL
	10 mM	0.4561 mL	2.2806 mL	4.5612 mL

Please refer to the solubility information to select the appropriate solvent.

BIOLOGICAL ACTIVITY

Description

N-Phenylacetyl-L-homoserine lactone is a small diffusible signaling molecule that strongly antagonizes or super-activates the quorum sensing of *Vibrio fischeri*^[1].

REFERENCES

[1]. Geske G D, et al. Correction: N-Phenylacetanoyl-L-Homoserine Lactones Can Strongly Antagonize or Superagonize Quorum Sensing in *Vibrio fischeri*[J]. ACS Chemical Biology, 2007, 2(6): 426-426.

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

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA