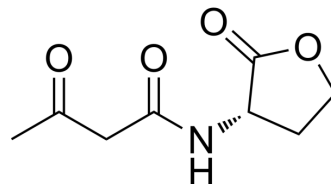


N-(3-Oxobutanoyl)-L-homoserine lactone

Cat. No.:	HY-120242
CAS No.:	148433-27-6
Molecular Formula:	C ₈ H ₁₁ NO ₄
Molecular Weight:	185.18
Target:	Antibiotic
Pathway:	Anti-infection
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description

N-(3-Oxobutanoyl)-L-homoserine lactone (3-oxo-C4-HSL) is a carbapenem antibiotic biosynthesis autoregulator in *Erwinia carotovora* ATCC 39048. N-(3-Oxobutanoyl)-L-homoserine lactone induces expression of *rhlI* in *R. leguminosarum*^[1].

REFERENCES

[1]. Chhabra SR, et al. Autoregulation of carbapenem biosynthesis in *Erwinia carotovora* by analogues of N-(3-oxohexanoyl)-L-homoserine lactone. *J Antibiot* (Tokyo). 1993 Mar;46(3):441-54.

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

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