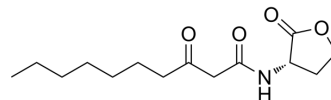


## N-(3-Oxodecanoyl)-L-homoserine lactone

Cat. No.:	HY-134560
CAS No.:	147795-40-2
Molecular Formula:	C <sub>14</sub> H <sub>23</sub> NO <sub>4</sub>
Molecular Weight:	269.34
Target:	Others
Pathway:	Others
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

**Description** N-(3-Oxodecanoyl)-L-homoserine lactone (3-Oxo-C10-HSL) is a bacterial quorum sensing signal autoinducer molecule<sup>[1]</sup>.

### REFERENCES

[1]. Buchholtz C, et al. Profiling of acylated homoserine lactones of *Vibrio anguillarum* in vitro and in vivo: Influence of growth conditions and serotype. *Syst Appl Microbiol.* 2006 Sep;29(6):433-45.

[2]. Milton DL, et al. Quorum sensing in *Vibrio anguillarum*: characterization of the *vanI/vanR* locus and identification of the autoinducer N-(3-oxodecanoyl)-L-homoserine lactone. *J Bacteriol.* 1997 May;179(9):3004-12.

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

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