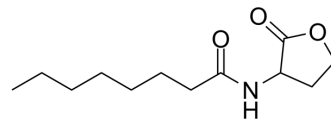


## N-Octanoyl-DL-homoserine lactone

Cat. No.:	HY-124237
CAS No.:	106983-30-6
Molecular Formula:	C <sub>12</sub> H <sub>21</sub> NO <sub>3</sub>
Molecular Weight:	227.3
Target:	Others
Pathway:	Others
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

#### Description

N-Octanoyl-DL-homoserine lactone is a member of N-acyl homoserine lactones (AHLs) family, also one of the signal molecule of quorum-sensing (QS) signals. N-Octanoyl-DL-homoserine lactone can regulate the production of siderophores and present positive correlation in *Aeromonas sobria* strain AS7. N-Octanoyl-DL-homoserine lactone can also regulate the secretion of proteases and stimulate the production of total volatile basic nitrogen (TVB-N)<sup>[1]</sup>.

### REFERENCES

[1]. Li T, et al. Involvement of Acylated Homoserine Lactones (AHLs) of *Aeromonas sobria* in Spoilage of Refrigerated Turbot (*Scophthalmus maximus* L.). *Sensors* (Basel). 2016 Jul 13;16(7):1083.

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

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