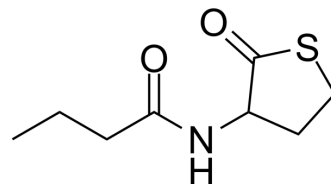


N-Butyryl-DL-homocysteine thiolactone

Cat. No.:	HY-W141788
CAS No.:	39837-08-6
Molecular Formula:	C ₈ H ₁₃ NO ₂ S
Molecular Weight:	187.26
Target:	Others
Pathway:	Others
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description

N-Butyryl-DL-homocysteine thiolactone is an N-acyl homoserine lactone (AHL) analogue. AHLs are potent inhibitors of biofilm formation and virulence factors, and has been used for degrading microbial communities, reducing bacterial pathogenicity^{[1][2]}.

REFERENCES

- [1]. Khalilzadeh P, et al. Growth inhibition of adherent *Pseudomonas aeruginosa* by an N-butanoyl-L-homoserine lactone analog. *Can J Microbiol.* 2010 Apr;56(4):317-25.
- [2]. Iyer R, et al. Synthetic analogs of bacterial quorum sensors: US, US20110053890[P]. 2011-03-03.

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