

Compound N105-0030 Biochemical | N105-0030 biochemical

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CATALOG #
AAA226580

PRODUCT SYNONYMS

Compound N105-0030; tDHL; C14-HSL; N105-0030 biochemical

PRODUCT SPECIFICATIONS

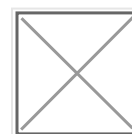
Purity/Purification	98%
Solubility	<1mg/ml refers to the product slightly soluble or insoluble
Preparation and Storage	Powder: -20 degree C for 3 years In solvent: -80 degree C for 2 years

IMAGES



Structure

N-tetradecanoyl-L-Homoserine lactone, CAS 202284-87-5



Structure

N-tetradecanoyl-L-Homoserine lactone, CAS 202284-87-5

ADDITIONAL INFORMATION

References

- ef="javascript:void(0)" >
1. Kuo, A., Blough, N.V., and Dunlap, P.V. Multiple N-acyl-L-homoserine lactone autoinducers of luminescence in the marine symbiotic bacterium *Vibrio fischeri* *Journal of Bacteriology* 176(24), 7558-7565 (1994). href="javascript:void(0)" >
 2. Lithgow, J.K., Wilkinson, A., Hardman, A., et al. The regulatory locus cinRI in *Rhizobium leguminosarum* controls a network of quorum-sensing loci *Molecular Microbiology* 37(1), 81-97 (2000). href="javascript:void(0)" >
 3. McClean, K.H., Winson, M.K., Fish, L., et al. Quorum-sensing and *Chromobacterium violaceum*: Exploitation of violacein production and inhibition for the detection of N-acylhomoserine lactones *Microbiology* 143, 3703-3711 (1997). href="javascript:void(0)" >
 4. Huang, Y.L., Ki, J.S., Lee, O.O., et al. Evidence for the dynamics of acyl homoserine lactone and AHL-producing bacteria during subtidal biofilm formation *ISME Journal* 1-9 (2008). href="javascript:void(0)" >
 5. Huang, J.J., Han, J.I., Zhang, L.H., et al. Utilization of acyl-homoserine lactone quorum signals for growth by a soil pseudomonad and *Pseudomonas aeruginosa* PAO1 *Applied and Environmental Microbiology* 69(10), 5941-5949 (2003). href="javascript:void(0)" >
 6. Stankowska, D., Kwinkowski, M., and Kaca, W. Quantification of *Proteus mirabilis* virulence factors and modulation by acylated homoserine lactones *Journal of Microbiology, Immunology, and Infection* 41, 243-253 (2008).

NCBI AND UNIPROT INFORMATION

Molecular Weight 311.466

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

