



The Power to Question

# CERTIFICATE OF ANALYSIS

Catalog Number: sc-205399  
Lot Number: SAMPLE  
Product Name: N-3-oxo-dodecanoyl-L-Homoserine lactone  
CAS Number: 168982-69-2  
Molecular Formula:  $C_{16}H_{27}NO_4$   
Molecular Weight: 297.39

Test	Specification	Result
Identification (Mass Spectrometry - ESI)	M-H+: 296.3	M-H+: 296.4
Purity (HPLC)	≥98%	99.1%, Retention Time Actual: 11.10 min
TLC		100.00%, Rf = 0.59
Infrared Spectrum	Conforms with standard	Complies
UV Absorption	250 nm	Complies

Satisfaction Guarantee: We appreciate your business and are committed to providing the highest level of quality and service. Any product that does not meet the performance standards indicated in our product literature will be replaced at no charge. Our policy is valid for one year from the date of your purchase.

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