

N-dodecanoyl-L-homoserine lactone
(S)-N-(2-oxotetrahydrofuran-3-yl)dodecanamide
857522P-10mg

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Molecular weight 283.41
Chemical formula C₁₆H₂₉NO₃
Physical State Powder
Storage -20°C
Expiration Date One year from date of receipt
M Lot Number 6470PIB010
Avanti Lot Number 857522P-10MG-B-010

ANALYSIS	SPECIFICATION	RESULTS
Physical Examination	Powder: White solid which contains no foreign matter	Pass
TLC (100% Ethyl Acetate)	>99% Purity Ninhydrin spray: Negative Iodine: one major spot Phosphorus: Negative Charring: Negative Water dip: one major spot	All Pass
Proton NMR	NMR spectrum consistent with structure	Consistent with structure
Mass Spectroscopy	[M+H] ⁺ = 284.41 ± 1 amu [M+NH ₄] ⁺ = 301.41 ± 1 amu	[M+H] ⁺ = 283.9 amu [M+NH ₄] ⁺ = 301.3 amu

 Approved By: *Anderson Thomas*

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