

N-octanoyl-L-homoserine lactone
(S)-N-(2-oxotetrahydrofuran-3-yl)octanamide
857521P-50mg

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Molecular Weight 227.3
Chemical Formula C₁₂H₂₁NO₃
Physical State Powder
Storage -20°C
Expiration Date One year from date of receipt
M Lot Number 6469PKA010
Avanti Lot Number 857521P-50MG-A-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] ⁺ = 228.3 ± 1 amu [M+NH ₄] ⁺ = 245.3 ± 1 amu	[M+H] ⁺ = 228.2 amu [M+NH ₄] ⁺ = 245.3 amu

Approved by:

