

N-Hexanoyl-L-homoserine lactone
(S)-N-(2-oxotetrahydrofuran-3-yl)hexanamide
857520P-10mg

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Molecular Weight 199.25
Chemical Formula C₁₀H₁₇NO₃
Physical State Powder
Storage -20°C
Expiration Date One year from date of receipt
M Lot Number 6465PIA011
Avanti Lot Number 857520P-10MG-A-011

ANALYSIS	SPECIFICATION	RESULTS
Physical examination	Powder: White solid which contains no foreign matter.	Pass
TLC (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 reference structure	Consistent with structure
Mass Spectroscopy	[M+H] ⁺ = 200.25 ± 1 amu [M+NH ₄] ⁺ = 217.25 ± 1 amu	[M+H] ⁺ = 200.5 amu [M+NH ₄] ⁺ = 217.1 amu

Approved by:

