

**N-dodecanoyl-L-homoserine lactone**  
**(S)-N-(2-oxotetrahydrofuran-3-yl)dodecanamide**  
**857522P-50mg**

Page 1 of 1

**Molecular weight** 283.41  
**Chemical formula** C<sub>16</sub>H<sub>29</sub>NO<sub>3</sub>  
**Physical State** Powder  
**Storage** -20°C  
**Expiration Date** One year from date of receipt  
**M Lot Number** 6470PKA010  
**Avanti Lot Number** 857522P-50MG-A-010

ANALYSIS	SPECIFICATION	RESULTS
Physical Examination	<b>Powder:</b> 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] <sup>+</sup> = 284.41 ± 1 amu [M+NH <sub>4</sub> ] <sup>+</sup> = 301.41 ± 1 amu	[M+H] <sup>+</sup> = 283.9 amu [M+NH <sub>4</sub> ] <sup>+</sup> = 301.3 amu

Approved By:

