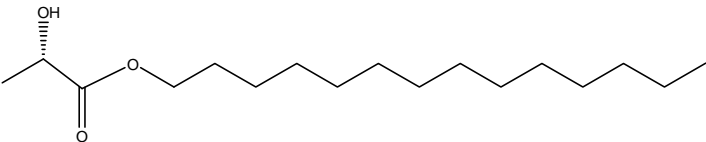




Product Specification Sheet

Product name	Myristyl Lactate						
Product Code	CLI-0402						
Structure	 <p>The chemical structure shows a lactate group (a central carbon atom bonded to a methyl group, a hydroxyl group, and a carbonyl group) esterified to a tetradecyl chain. The hydroxyl group is shown with a dashed bond, indicating its stereochemistry. The tetradecyl chain is represented as a zigzag line.</p>						
R&D grade	Available in 1g, 100g, 500g & 10 Kg shipments						
cGMP grade	Production schedule and cost available on request						
Material/Product	Myristyl Lactate; Tetradecyl Lactate 2-Hydroxypropionic acid tetradecyl ester						
Formula	C ₁₇ H ₃₄ O ₃						
FW	286.45						
Appearance	Off-white solid						
Melting point (mp)	34-40°C						
Refractive Index (n_D)	NA						
FTIR (neat)	consistent with structure						
¹H NMR (400 MHz; CDCl₃)	consistent with structure						
Purity determined by GC-FID	>93%						
Primary process impurity	Tetradecanol						
Residual Solvent	Diisopropyl Ether						
Elemental Analysis	<table><thead><tr><th></th><th><u>Theoretical</u></th></tr></thead><tbody><tr><td>C</td><td>71.28</td></tr><tr><td>H</td><td>11.96</td></tr></tbody></table>		<u>Theoretical</u>	C	71.28	H	11.96
	<u>Theoretical</u>						
C	71.28						
H	11.96						
Process	Proprietary						
Comments	Store at RT						