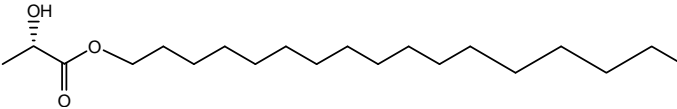




Product Specification Sheet

Product name	Stearyl lactate						
Product Code	CLI-0404						
Structure	 The chemical structure shows a lactone ring (a five-membered ring with one oxygen atom and a carbonyl group) attached to a long, zigzag hydrocarbon chain representing the stearyl group.						
R&D grade	Available in 1g, 100g and 500g shipments						
cGMP grade	Production schedule and cost available on request						
Material/Product	Stearyl lactate; Octadecyl lactate 2-Hydroxypropionic acid octadecyl ester						
Formula	C ₂₁ H ₄₂ O ₃						
FW	342.56						
Appearance	White to Off-white solid						
Melting point (mp)	42-48°C						
Refractive Index (n_D)	NA						
FTIR (neat)	Consistent with structure						
¹H NMR (400 MHz; CDCl₃)	Consistent with structure						
Purity determined by GC-FID	>95%						
Primary process impurity	Octadodecanol						
Residual solvent	Diisopropyl Ether						
Elemental Analysis	<table><thead><tr><th></th><th><u>Theoretical</u></th></tr></thead><tbody><tr><td>C</td><td>73.63</td></tr><tr><td>H</td><td>12.36</td></tr></tbody></table>		<u>Theoretical</u>	C	73.63	H	12.36
	<u>Theoretical</u>						
C	73.63						
H	12.36						
Process	Proprietary						
Comments	Store at RT						