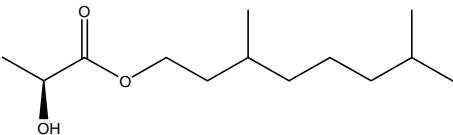




Product Specification Sheet

| Product name | 3,7-Dimethyloctyl lactate | | | | | | |
|--|---|--|--------------------|---|-------|---|-------|
| Product Code | CLI-0406 | | | | | | |
| Structure |  <p>The chemical structure shows a lactate ester. The lactate part consists of a central carbon atom bonded to a methyl group, a hydroxyl group (OH), and a carbonyl group (C=O). The carbonyl oxygen is bonded to an oxygen atom, which is part of an ester linkage to an 8-carbon chain. This chain has methyl groups at the 3rd and 7th positions.</p> | | | | | | |
| R&D grade | Available in 1g, 100g, 500g & 1 Kg shipments | | | | | | |
| cGMP grade | Production schedule and cost available on request | | | | | | |
| Material/Product | 3,7-Dimethyloctyl lactate 2-Hydroxypropionic acid 3,7-dimethyloctyl ester | | | | | | |
| Formula | C ₁₃ H ₂₆ O ₃ | | | | | | |
| FW | 230.34 | | | | | | |
| Appearance | Amber liquid | | | | | | |
| Density (d) | NA | | | | | | |
| Refractive Index (n_D) | NA | | | | | | |
| FTIR (neat) | Consistent with structure | | | | | | |
| ¹H NMR (400 MHz; CDCl₃) | NA | | | | | | |
| Purity determined by GC-FID | TBD | | | | | | |
| Primary process impurity | 3,7-Dimethyloctan-1-ol | | | | | | |
| Residual solvent | Petroleum Ether | | | | | | |
| Elemental Analysis | <table><thead><tr><th></th><th><u>Theoretical</u></th></tr></thead><tbody><tr><td>C</td><td>67.79</td></tr><tr><td>H</td><td>11.38</td></tr></tbody></table> | | <u>Theoretical</u> | C | 67.79 | H | 11.38 |
| | <u>Theoretical</u> | | | | | | |
| C | 67.79 | | | | | | |
| H | 11.38 | | | | | | |
| Process | Proprietary | | | | | | |
| Comments | Store at RT | | | | | | |