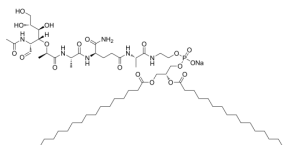


## Certificate of Analysis

|                       |   |
|-----------------------|---|
| <b>Product Name:</b>  | Mifamurtide (sodium)  |
| <b>Cat. No.:</b>      | CS-0109375  |
| <b>CAS No.:</b>       | 90825-43-7  |
| <b>Batch No.:</b>     | 113144  |
| <b>Chemical Name:</b> | L-Alaninamide, N-(N-acetylmuramoyl)-L-alanyl-D- $\alpha$ -glutaminy-N-[(7R)-4-hydroxy-4-oxido-10-oxo-7-[(1-oxohexadecyl)oxy]-3,5,9-trioxa-4-phosphapentacos-1-yl]-, sodium salt (1:1) |

### PHYSICAL AND CHEMICAL PROPERTIES

|                            |   |
|----------------------------|---|
| <b>Molecular Formula:</b>  | C <sub>59</sub> H <sub>108</sub> N <sub>6</sub> NaO <sub>19</sub> P |
| <b>Molecular Weight:</b>   | 1259.48   |
| <b>Storage:</b>            | 2-8°C, sealed storage, away from moisture                           |
| <b>Chemical Structure:</b> |   |



### ANALYTICAL DATA

|                                    |   |
|------------------------------------|---|
| <b>Appearance:</b>                 | White to off-white (Solid)  |
| <b><sup>1</sup>H NMR Spectrum:</b> | Consistent with structure   |
| <b>MS:</b>                         | Consistent with structure   |
| <b>Purity (NMR):</b>               | ≥98.0%  |
| <b>Conclusion:</b>                 | The product has been tested and complies with the given specifications. |

**Caution: Product has not been fully validated for medical applications. For research use only.**

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