# Certificate of Analysis



## Calyculin A

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|---|---|
| **Cat. No.:** | HY-18983 |
| **CAS No.:** | 101932-71-2 |
| **Batch No.:** | 97332 |
| **Chemical Name:** | L-Ribonamide, N-[(3S)-3-[4-[(1E)-3-[(2R,3R,5R,7S,8S,9R)-2-[(1S,3S,4S,5R,6R,7E,9E,11E,13Z)-14-cyano-3,5-dihydroxy-1-methoxy-4,6,8,9,13-pentamethyl-7,9,11,13-tetradecatetraen-1-yl]-9-hydroxy-4,4,8-trimethyl-3-(phosphonooxy)-1,6-dioxaspiro[4.5]dec-7-yl]-1-propen-1-yl]-2-oxazolyl]butyl]-4-deoxy-4-(dimethylamino)-5-O-methyl- |

### PHYSICAL AND CHEMICAL PROPERTIES

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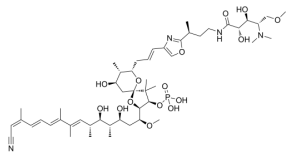
|---|---|
| **Molecular Formula:** | $C_{50}H_{81}N_4O_{15}P$ |
| **Molecular Weight:** | **1009.17** |
| **Storage:** | Solution, -20°C, 2 years |

**Chemical Structure:**



### ANALYTICAL DATA

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|---|---|
| **Appearance:** | Colorless to light yellow (Liquid) |
| **Purity (HPLC):** | **99.67%** |
| **Conclusion:** | 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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