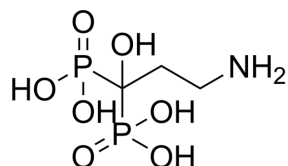


## Certificate of Analysis

|                       |  |
|-----------------------|--|
| <b>Product Name:</b>  | Pamidronic acid  |
| <b>Cat. No.:</b>      | CS-7787  |
| <b>CAS No.:</b>       | 40391-99-9   |
| <b>Batch No.:</b>     | 83695  |
| <b>Chemical Name:</b> | Phosphonic acid, P,P'-(3-amino-1-hydroxypropylidene)bis- |

### PHYSICAL AND CHEMICAL PROPERTIES

|                            |   |
|----------------------------|---|
| <b>Molecular Formula:</b>  | C <sub>3</sub> H <sub>11</sub> NO <sub>7</sub> P <sub>2</sub> |
| <b>Molecular Weight:</b>   | 235.07  |
| <b>Storage:</b>            | -20°C, protect from light                                     |
| <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>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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