Certificate of Analysis

Pamidronate (disodium pentahydrate)

Cat. No.: HY-B0730

CAS No.: 109552-15-0

Batch No.: 16285

Chemical Name: Phosphonic acid, P,P'-(3-amino-1-hydroxypropylidene)bis-, sodium salt, hydrate (1:2:5)

PHYSICAL AND CHEMICAL PROPERTIES

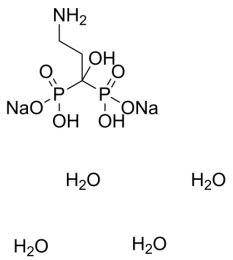
Molecular Formula: $C_3H_{19}NNa_2O_{12}P_2$

Molecular Weight: **369.11**

Storage: 4°C, sealed storage, away from moisture

* In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture)

Chemical Structure:



ANALYTICAL DATA

Appearance: White to off-white (Solid)

^{1}H NMR Spectrum: Consistent with structure

Purity (NMR): **≥98.0%**

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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