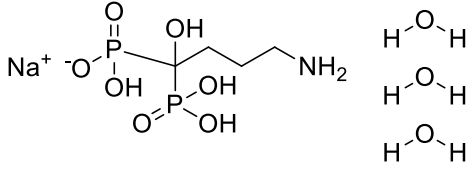




## Certificate of Analysis

<b>MedKoo Cat#:</b>	<b>Product Name:</b>	<b>Lot#:</b>
200133	Alendronate sodium trihydrate	YYP309017

<b>Chemical name</b>	
(4-amino-1-hydroxybutylidene) bisphosphonic acid monosodium salt trihydrate.	
<b>Synonyms</b>	
Alendronate; Alendronic Acid Monosodium Salt Trihydrate. US brand name: Fosamax; Foreign brand names: Adronat; Alendros; Onclast. Code names: G-704650; MK-217.	
<b>Chemical structure</b>	<b>CAS# and Theoretical analysis</b>
	MedKoo Code#: 200133 Name: Alendronate sodium trihydrate CAS#: 121268-17-5 Lot#YYP309017 Chemical Formula: C <sub>4</sub> H <sub>18</sub> NNaO <sub>10</sub> P <sub>2</sub> Molecular Weight: 325.12  Alendronic Acid Chemical Formula: C <sub>4</sub> H <sub>13</sub> NO <sub>7</sub> P <sub>2</sub> Exact Mass: 249.01672, Molecular Weight: 249.10

Analysis item	Specifications / Results
<b>Appearance</b>	White to off-white solid powder
<b>Structure</b>	<sup>1</sup> H-NMR analysis matches the structure. MS analysis gives the correct molecule weight. Both NMR and MS data are consistent with those reported in the literature.
<b>Purity (HPLC)</b>	>99.0%
<b>Solubility</b>	Soluble to 50 mM in water.
<b>Conclusion</b>	This product conforms with MedKoo's quality standards
<b>Shipping condition</b>	Shipped under ambient temperature as non-hazardous chemical. This product is stable for a few weeks during ordinary shipping and time spent in customs.
<b>Storage condition</b>	Short term storage (weeks): 0 – 4 °C under dry condition Long term storage (months): -20 °C under dry condition
<b>Shelf life</b>	At least 5 years if properly stored.

**CAUTION: NOT FULLY TESTED. FOR RESEARCH ONLY, NOT FOR HUMAN USE**