

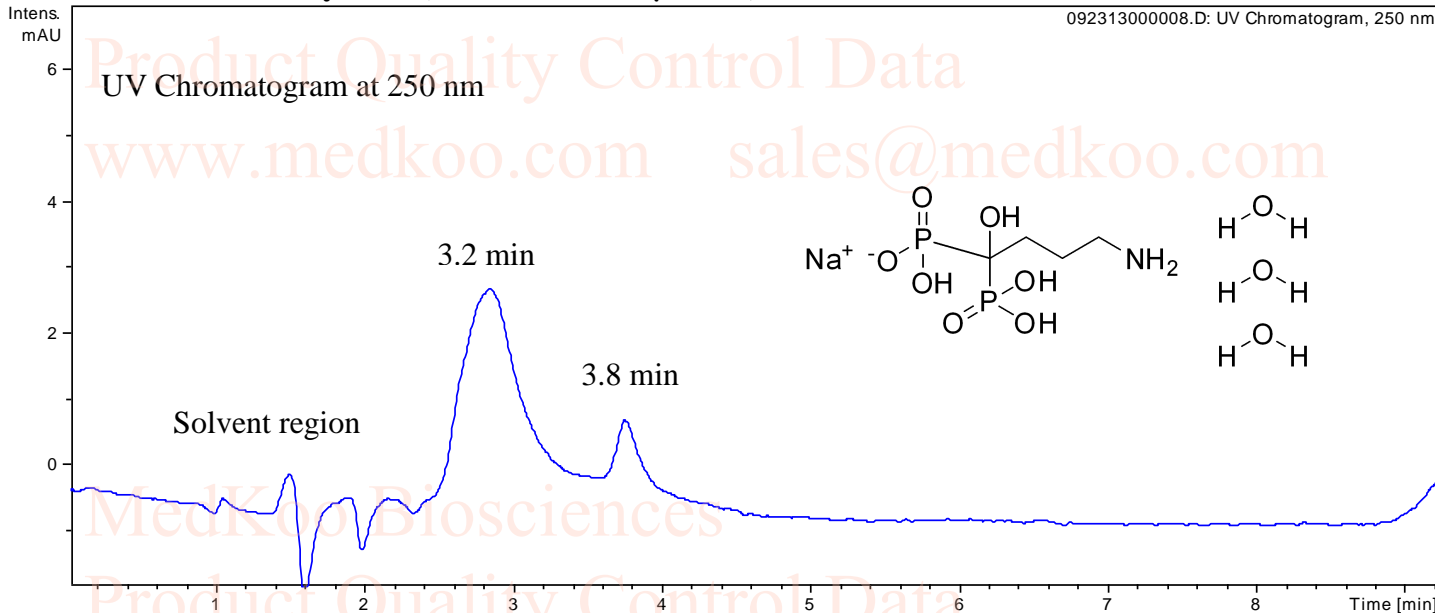


LC-MS Analytical Report

MedKoo#	Product name	Lot#
200133	Alendronate sodium trihydrate	YYP309017

- Instrument: Agilent LC/MS system (1100 HPLC and MSD Trap XCT Plus mass spectrometer with UV-Vis detector).
- HPLC condition:
 - Mobile phase A: H₂O with 0.1% formic acid; Mobile phase B: ACN with 0.1% formic acid.
 - Flow rate: 0.25 ml/min.
 - Column: Phenomenex Gemini 3u C₆-phenyl 110 A (100 × 2 mm).
 - Gradient: 0-1 min, 50% A; 5-8.5 min, 0% A.
- MS condition: Nebulizer, dry gas and dry temperature are 30 psi, 8L/min, and 350°C, respectively.

Alendronate sodium trihydrate (dissolved in 400 µl H₂O):

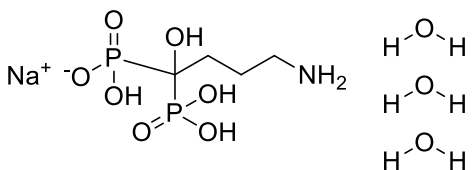


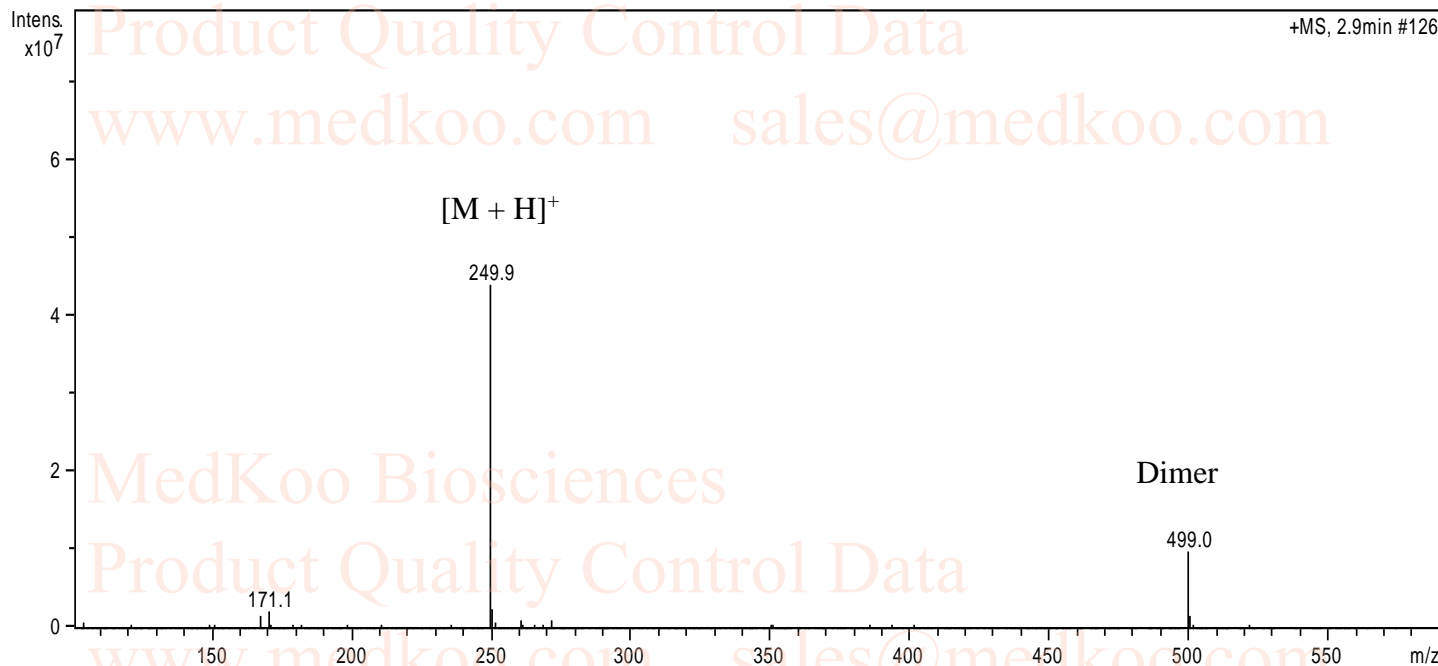
Note: The compound does not have good UV-Vis signal, thus the HPLC signal here is pretty weak, but overall its purity is great (peaks at 3.2 min and 3.8 min have same mass spectra -- most possibly they are the same compound, better HPLC condition may result in one sole peak.



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Chemical structure	CAS# and Theoretical analysis
	<p>MedKoo Code#: 200133 Name: Alendronate sodium trihydrate CAS#: 121268-17-5 Lot#YYP309017 Chemical Formula: C₄H₁₈NNaO₁₀P₂ Molecular Weight: 325.12</p> <p>Alendronic Acid Chemical Formula: C₄H₁₃NO₇P₂ Exact Mass: 249.01672 Molecular Weight: 249.10</p>



Note: m/z 249.9 is [M + H]⁺ for anhydrous form.