

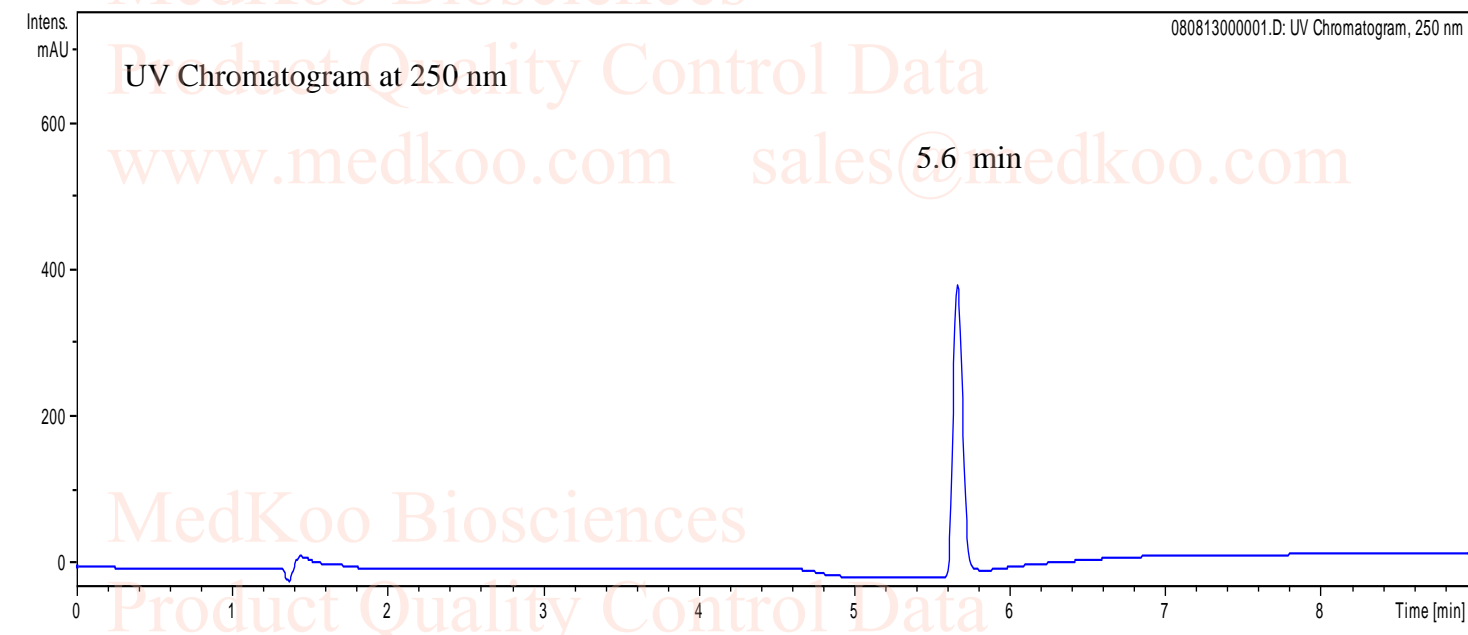


LC-MS Analytical Report

MedKoo#	Product name	Lot#
200470	Bendamustine HCl	YYP30729

- 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.

Bendamustine HCl (2 mg sample was dissolved in 240 µl DMSO + 160 µl H₂O):

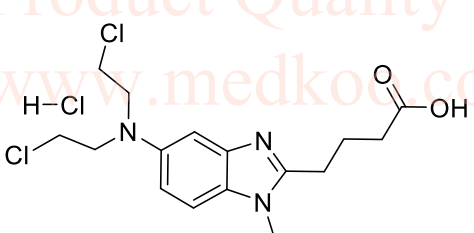


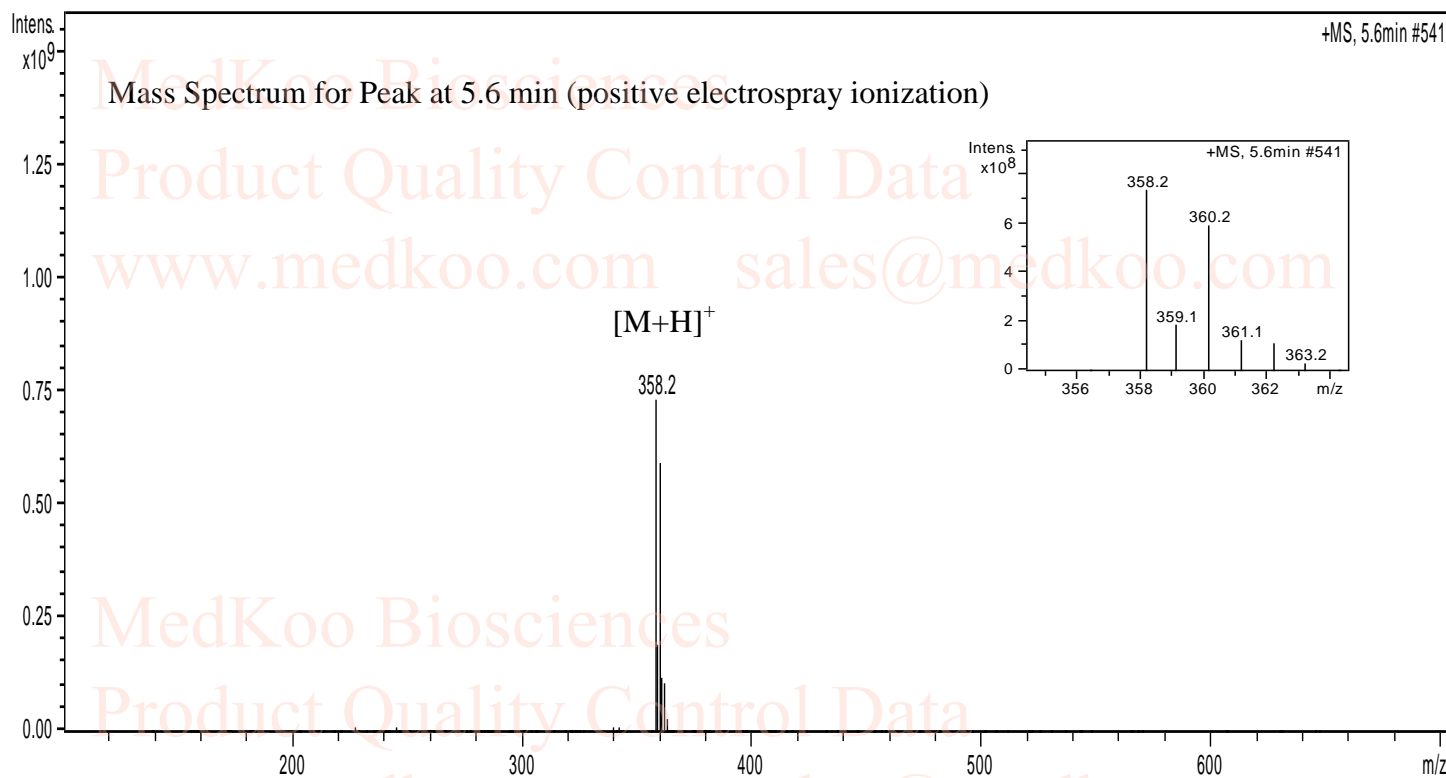
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MedKoo Biosciences

MedKoo#	Product name	Lot#
200470	Bendamustine HCl	YYP30729

Chemical structure	CAS# and Theoretical analysis
	MedKoo Code#: 200470 Name: Bendamustine HCl CAS#: 3543-75-7 Lot# YYP30729 Chemical Formula: C ₁₆ H ₂₂ Cl ₃ N ₃ O ₂ Molecular Weight: 394.72 <i>Bendamustine (free base)</i> Chemical Formula: C ₁₆ H ₂₁ Cl ₂ N ₃ O ₂ Exact Mass: 357.10108; Molecular Weight: 358.26



Note: m/z 358 is free of HCl. Inserted window in the mass spectrum shows the pattern of two Cls.