

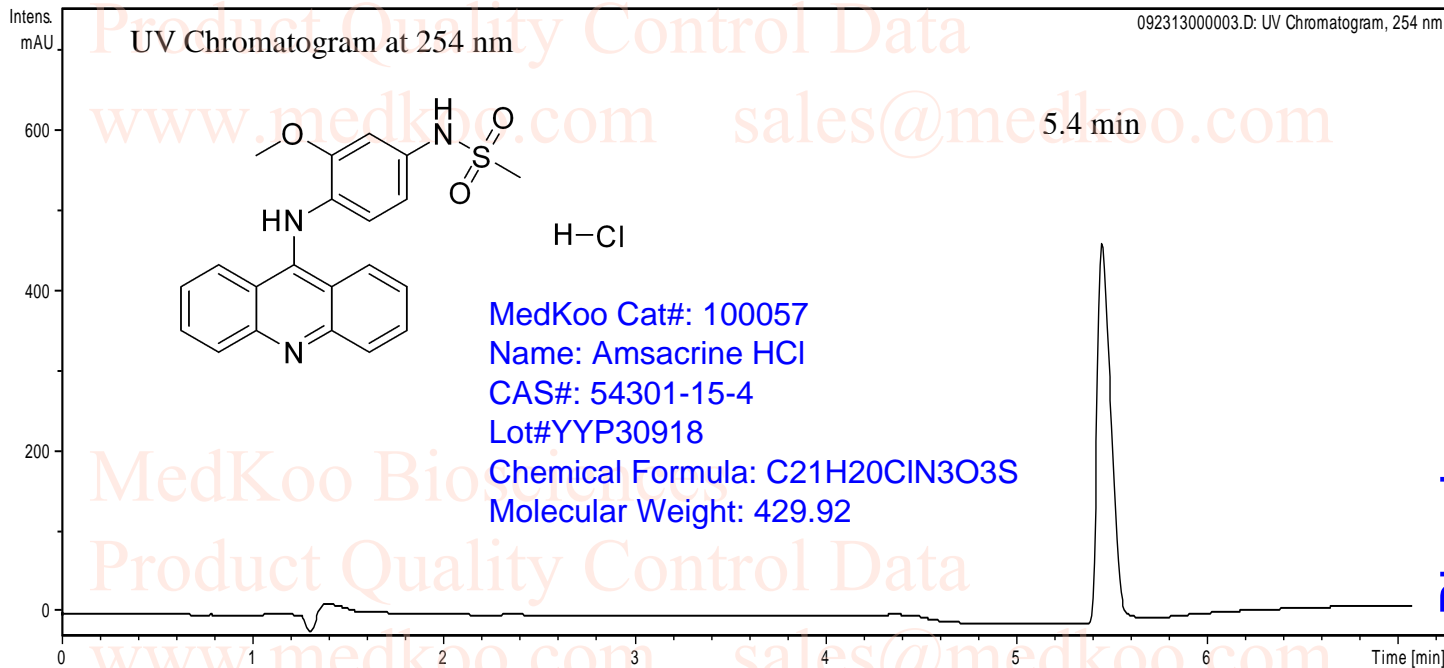


## LC-MS Analytical Report

MedKoo#	Product name	Lot#
100057	Amsacrine HCl	YYP30918

- Instrument: Agilent LC/MS system (1100 HPLC and MSD Trap XCT Plus mass spectrometer with UV-Vis detector).
- HPLC condition:
  - Mobile phase A: H<sub>2</sub>O with 0.1% formic acid; Mobile phase B: ACN with 0.1% formic acid.
  - Flow rate: 0.25 ml/min.
  - Column: Phenomenex Gemini 3u C<sub>6</sub>-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.

### Amsacrine HCl (dissolved in 300 µl DMSO + 100 µl H<sub>2</sub>O):

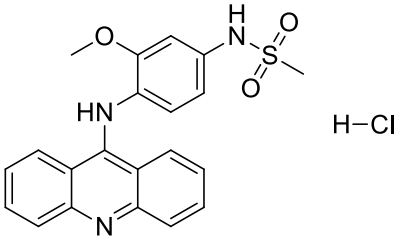


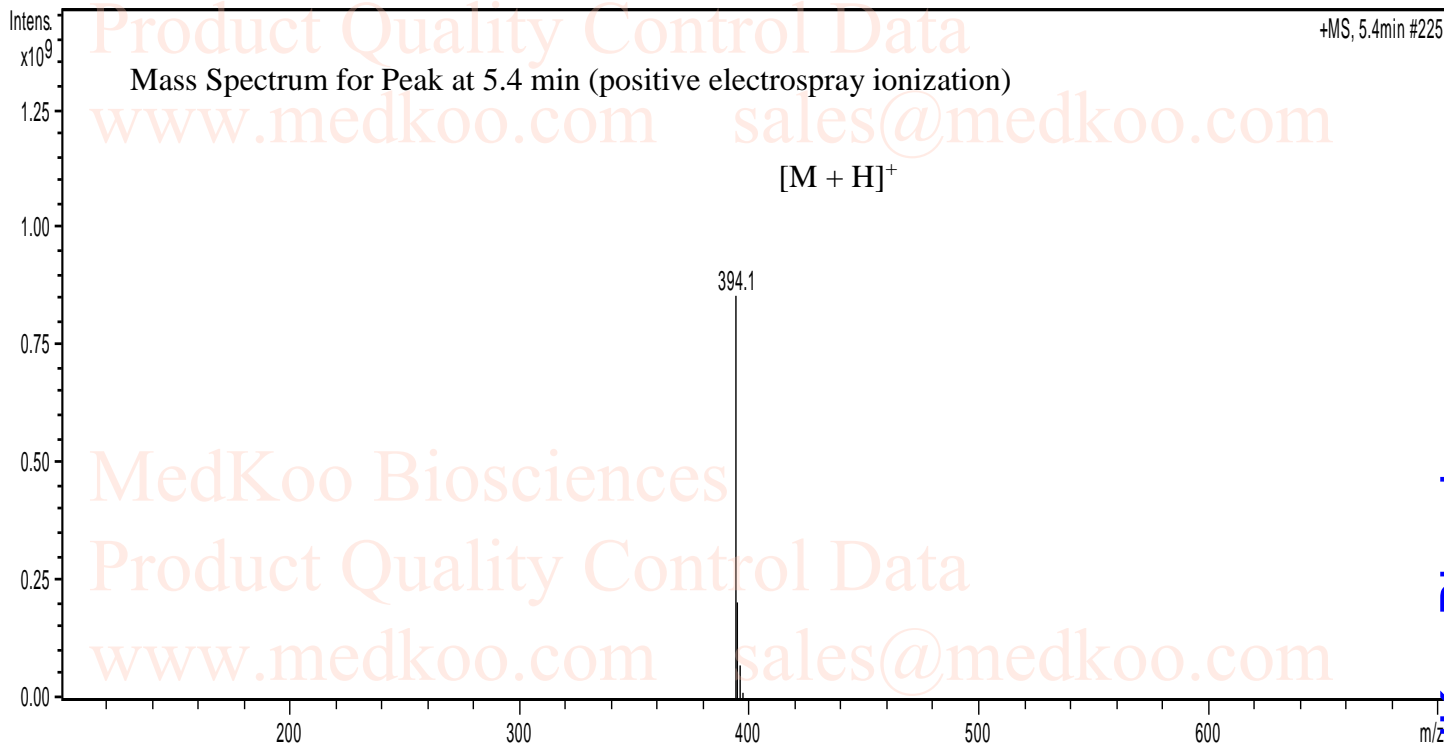
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Chemical structure	CAS# and Theoretical analysis
	<p>MedKoo Cat#: 100057 Name: Amsacrine HCl CAS#: 54301-15-4 Lot#: YYP30918 Chemical Formula: C<sub>21</sub>H<sub>20</sub>ClN<sub>3</sub>O<sub>3</sub>S Molecular Weight: 429.92</p> <p><i>Amsacrine (free base)</i> Chemical Formula: C<sub>21</sub>H<sub>19</sub>N<sub>3</sub>O<sub>3</sub>S Exact Mass: 393.11471 Molecular Weight: 393.46</p>



Note: m/z 394 is [M + H]<sup>+</sup> for free base form (MW is 393).