

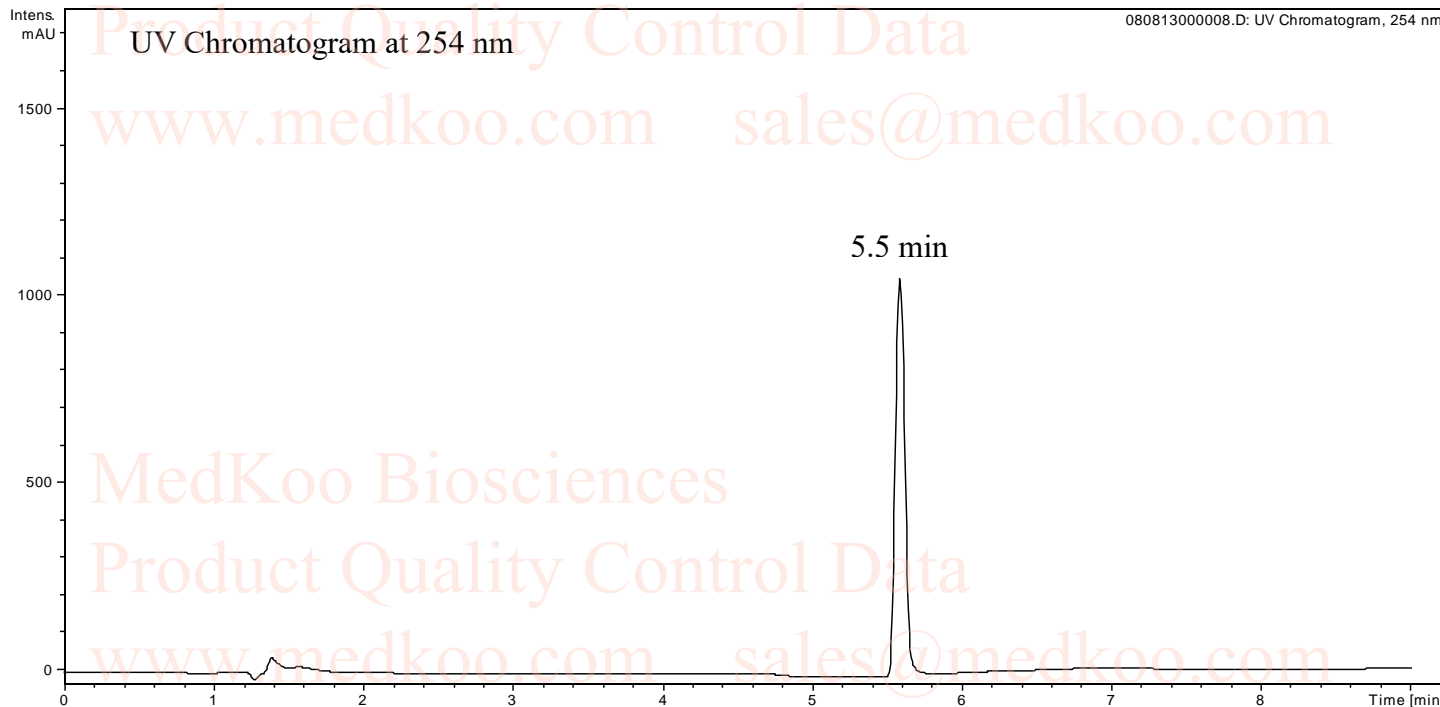


## LC-MS Analytical Report

MedKoo#	Product name	Lot#
100480	Irinotecan hydrochloride	YYP30710

- 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.

Irinotecan HCl trihydrate (1 mg dissolved in 240 µl DMSO + 160 µl H<sub>2</sub>O):





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Chemical structure	CAS# and Theoretical analysis
<p>The image shows the chemical structure of Irinotecan hydrochloride. It consists of a piperidine ring connected to a piperazine ring, which is further linked to a complex heterocyclic system containing a quinoline-like core and a lactone ring. Three water molecules (H-O-H) and one hydrochloride ion (H-Cl) are shown as counterions.</p>	<p>MedKoo Code#: 100480 Name: Irinotecan hydrochloride CAS#: 136572-09-3 Lot#: YYP30710 Chemical Formula: C<sub>33</sub>H<sub>45</sub>CIN<sub>4</sub>O<sub>9</sub> Molecular Weight: 677.1;</p> <p>Irinotecan (free base) Chemical Formula: C<sub>33</sub>H<sub>38</sub>N<sub>4</sub>O<sub>6</sub> Exact Mass: 586.27913 Molecular Weight: 586.68</p>

