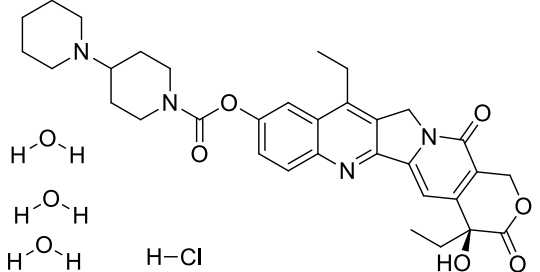


Certificate of Analysis

MedKoo Cat#:	Product Name:	Lot#:
100480	Irinotecan HCl trihydrate	YYP30710

Chemical name	
(S)-4,11-diethyl-4-hydroxy-3,14-dioxo-3,4,12,14-tetrahydro-1H-pyrano[3',4':6,7]indolizino[1,2-b]quinolin-9-yl [1,4'-bipiperidine]-1'-carboxylate hydrochloride trihydrate.	
Synonyms	
CPT11; CPT-11; CPT 11; U101440E; HSDB 7607; HSDB-7607; HSDB7607; camptothecin-11; irinotecan; irinotecan HCl; Bbrand name: Camptosar; Campto.	
Chemical structure	CAS# and Theoretical analysis
	MedKoo Code#: 100480 Name: Irinotecan hydrochloride CAS#: 136572-09-3 Lot#: YYP30710 Chemical Formula: C ₃₃ H ₄₅ ClN ₄ O ₉ Exact Mass: 676.29 Molecular Weight: 677.19

Analysis item	Specifications / Results
Appearance	Pale yellow solid powder
Structure	¹ 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.
Purity (HPLC)	>98.0%
Solubility	Soluble in DMSO
Conclusion	This product conforms with MedKoo's quality standards
Shipping condition	Shipped under ambient temperature as non-hazardous chemical. This product is stable for a few weeks during ordinary shipping and time spent in customs.
Storage condition	Short term storage (weeks): 0 – 4 °C under dry condition Long term storage (months): -20 °C under dry condition
Shelf life	At least 5 years if properly stored.

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