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## CERTIFICATE OF ANALYSIS

Analysis Date:

Re-test Date:

**Product Name: Irinotecan EP Impurity A**

### Identification:

Chemical Name: (4S)-4-Ethyl-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 (as per EP); (S)-4-Ethyl-4-hydroxy-1H-pyrano[3',4':6,7]indolizino[1,2-b]quinoline-3,14(4H,12H)-dione-9-yl (1,4'-bipiperidine)-1'-carboxylate hydrochloride trihydrate (as per USP)

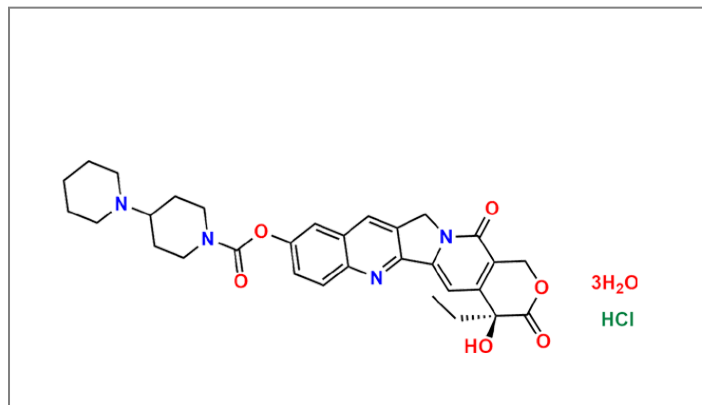
Synonyms : 11-Desethyl Irinotecan (as per EP)

CAS Number : 158406-44-1

CAT Number : CP-I9021

Molecular Formula : C<sub>31</sub>H<sub>34</sub>N<sub>4</sub>O<sub>6</sub> : HCl : 3(H<sub>2</sub>O)

Molecular Weight : 558.64 : 36.46 : 3(18.0)



### Analytical Information:

Sr. No.	Test	Result
1)	Description	Solid
2)	Solubility	Soluble in Methanol/DMSO
3)	MASS By LCMS	Confirm to structure
4)	Purity By HPLC	>95%
5)	H1NMR	Confirm to structure

**Prepared and Reviewed By**

**Approved By**




Ms Priyanka Salunkhe  
(Manager QC Analytical)



Ms Rohini Gagare  
(QA Head)

Note: Product supplied by Chemicea are for R&D purpose only and not for human consumptions.