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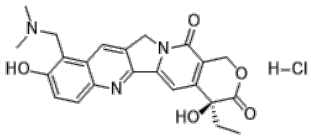
Certificate of Analysis

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Product Name	:	Topotecan hydrochloride
Cat. No.	:	PC-28737
CAS No.	:	119413-54-6
Batch No.	:	PC-2873701
Chemical Name	:	(S)-10-((Dimethylamino)methyl)-4-ethyl-4,9-dihydroxy-1H-pyrano[3',4':6,7]indolizino[1,2-b]quinoline-3,14(4H,12H)-dione hydrochloride

PHYSICAL AND CHEMICAL PROPERTIES

Molecular Weight	:	457.91	
Molecular Formula	:	$C_{23}H_{24}ClN_3O_5$	
Storage	:	Powder	-20°C 12 Months
			4°C 6 Months
		In solvent	-80°C 6 Months
			-20°C 6 Months
Chemical Structure	:		

ANALYTICAL DATA

Appearance	:	Solid powder
^{1}H NMR Spectrum	:	Consistent with
HPLC	:	Consistent with
NP	:	Consistent with
Purity (HPLC and/or LCMS)	:	>98%
Conclusion	:	The product has been tested and complies with the given specifications.

Caution: Product has not been fully validated for medical applications. Lab Use Only!

E-mail: tech@probechem.com