



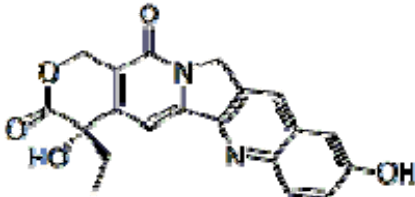
HANGZHOU DINGYAN CHEM CO., LTD

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CERTIFICATE OF ANALYSIS

NO: DYC021312103

Product name	10-Hydroxycamptothecin
CAS Number	64439-81-2;19685-09-7
Molecule Structure	
Molecule Formula	C ₂₀ H ₁₆ N ₂ O ₅
Batch number	20130926
Manufacture Date	2013-09-26
Testing date	2013-09-26

Items	Standard	Result
Appearance	Light yellow crystal powder	Conforms
Solubility	Clear yellow solution at 1mg plus 1ml of dimethyl sulfoxide	Conforms
Proton NMR Spectrum	Consistent with structure	Conforms
Assay (HPLC-259nm)	99%min	99.44%
Suphated ash	0.3%max	0.10%
Loss on drying	2.0%max	0.8%
Melting Point	267-270° C	270° C
Camptothecin	1.0%max	0.46%
Other individual impurity	0.5%max	Conforms

Hangzhou Dingyan Chem Co., Ltd.
QUALITY CONTROL: Xuefen Chen
Quality Control
Signature

CHECK: 姚仙娟

INSPECTOR: 刘清风