



The Power to Question

CERTIFICATE OF ANALYSIS

Catalog Number: sc-204919 SB
Lot Number: SAMPLE
Product Name: Topotecan Hydrochloride
CAS Number: 119413-54-6
Molecular Formula: $C_{23}H_{23}N_3O_5 \text{ HCl}$
Molecular Weight: 457.9

Test	Specification	Result
Appearance	Light yellow crystalline powder	Complies
Purity (HPLC)	≥99%	99.32%
pH	3.0-5.0	4.8
Residue on Ignition	≤0.2%	Complies
Solubility	Soluble in water; Soluble in 0.1mol/l HCl; Slightly soluble in methanol; Almost insoluble in chloroform.	Complies
Specific Rotation	+90° to +100°	+99.2°
Heavy Metals	≤20 ppm	Complies
Related Substances	Single impurity ≤0.5% Total impurities ≤1.5%	0.36% 0.76%
Water Content	≤12.0%	3.78%

Satisfaction Guarantee: We appreciate your business and are committed to providing the highest level of quality and service. Any product that does not meet the performance standards indicated in our product literature will be replaced at no charge. Our policy is valid for one year from the date of your purchase.

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