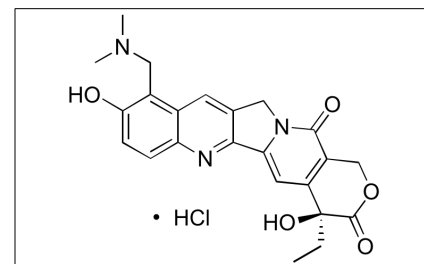




Product Information

Product ID T5761
CAS No. 119413-54-6
Chemical Name (4S)-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
Synonym Hycamtin, NSC-609669, SKF-104864A



Formula C₂₃H₂₅N₃O₅ • HCl

Formula Wt. 457.91

Melting Point 213-218 °C(dec.)

Purity ≥98%

Solubility Soluble in methanol, water (92 mg/mL at 25 °C), DMSO (92 mg/mL at 25 °C), ethanol (<1 mg/mL at 25 °C), and 1:1 solution of DMSO: PBS (pH 7.2)

Store Temp Ambient

Ship Temp Ambient

Description Topotecan is an anticancer chemotherapeutic compound that inhibits topoisomerase I and is clinically used to treat various cancers. Topotecan induces apoptosis in retinocytoma cells and ovarian cancer cells.

Bulk quantities available upon request

Product ID	Size
T5761	1 mg
T5761	5 mg
T5761	10 mg
T5761	50 mg

References Attia SM, Ahmad SF, Abd-Allah MF, et al. Germ cell mutagenicity of topoisomerase I inhibitor topotecan detected in the male mouse-dominant lethal study. *Food Chem Toxicol.* 2013 Dec;62:470-4. PMID: 24036143.

Zhang M, Shan BE, Yuan NF, et al. Effect of topotecan on retinocytoma cell apoptosis and expression of Livin and PTEN. *Chin Med J (Engl).* 2013 Jan;126(2):340-4. PMID: 23324287.

Caltová K, Cervinka M. Antiproliferative effects of selected chemotherapeutics in human ovarian cancer cell line A2780. *Acta Medica (Hradec Kralove).* 2012;55(3):116-24. PMID: 23297519.

Sonabend AM, Stuart RM, Yun J, et al. Prolonged intracerebral convection-enhanced delivery of topotecan with a subcutaneously implantable infusion pump. *Neuro Oncol.* 2011 Aug;13(8):886-893. PMID: 21750007.

Caution: This product is intended for laboratory and research use only. It is not for human or drug use.