

Topotecan HCl

货号: M2236

储存条件: 粉末-20°C可保存3年; 液体-80°C可保存12月。

产品描述

Topotecan, a water-soluble semisynthetic analogue of the alkaloid camptothecin, is a potent Topoisomerase I inhibitor. Topotecan could stabilize topoisomerase I-DNA cleavable complexes in radiation-resistant human B-lineage acute lymphoblastic leukemia cells. Exposure to 50 or 100nM Topotecan for 5 days induced apoptotic cell death of radiation-resistant RS4;II leukemia cells despite of the high levels of bcl-2 protein, without change in bcl-2 protein levels. Infusion with 200µg or 400µg Topotecan could enhance the survival ratio of SCID mice inoculated with RS4;II. LC1:19, or NALM-6 leukemia cells. Topotecan showed more potency against neuroblastoma cell viability with amplification of MYCN, due to the disruption of B-MYB-MYCN axis and selective down-regulation of B-Myb and MycN expression by Topotecan in IMR-32, Kelly, LAN-5 and SK-N-BE 2 cells.

产品信息

CAS号	119413-54-6	
分子式	C ₂₃ H ₂₄ ClN ₃ O ₅	
分子量	457.91	
别名	Topotecan hydrochloride	
溶解度	DMSO	100.0 mg/mL (218.4 mM) warming
	Water	3.0 mg/mL(6.6 mM) warming

