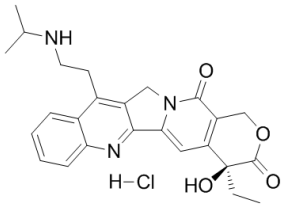
Product Name	:	Belotecan hydrochloride
Synonyms	:	CKD-602
Cat No.	:	M20796
CAS Number	:	213819-48-8
Molecular Formula	:	C25H28ClN3O4
Formula Weight	:	469.96
Chemical Name	:	(4S)-4-Ethyl-4-hydroxy-11-[2-[(1-methylethyl)amino]-ethyl]-1H-pyrano[3'4':67]indolizino[12-b]quinoline-314(4H12H)dione hydrochloride
Description	:	Belotecan hydrochloride is a synthetic water-soluble camptothecin derivative and topoisomerase I inhibitor with potential antitumor activity.(In Vitro):Belotecan exerts a significant cytotoxic effect on YD-8, YD-9 and YD-38 cells in a time- and dose-dependent manner with IC50 values of 2.4, 0.18 and 0.05 μg/mL at 72 h following treatment. Belotecan induces apoptosis in these cell lines. Belotecan induces G2/M phase arrest in oral squamous cell cancer cells. Belotecan shows a significant anticancer effect on glioma cells, with IC50 values of 9.07 nM for LN229, 14.57 nM for U251 MG, 29.13 nM for U343 MG, and 84.66 nM for U87 MG.(In Vivo):Belotecan has a significant effect on intracerebral glioma growth, with animals having significantly smaller tumors than those in the control group.
Pathway	:	Cell Cycle/DNA Damage
Target	:	Topoisomerase
Receptor	:	Topo I
Solubility	:	DMSO:50 mg/mL (106.39 mM)
SMILES	:	CCC1(O)C(=O)OCc2c1cc1n(c2=O)Cc2c-1nc1ccccc1c2CCNC(C)C.Cl
Storage	:	(-20℃)
Stability	:	≥ 2 years
Reference	:	



1.Kim Y K Koo N Y Yun P Y . Anticancer effects of CKD-602 (Camtobell (R)) via G2/M phase arrest in oral squamous cell carcinoma cell lines[J]. Oncology letters 2015 9(1):136-142.