(S)-(+)-Camptothecin

Potent antitumor agent

Potent antitumor agent. Inhibitor of DNA-topoisomerase I. Activates p53 resulting in upregulated expression of TRAIL-R2 (DR5) and Bak to overcome TRAIL resistance in Bax-deficient human colon carcinoma cells. Inhinbits Tat-mediated transactivation of HIV-1. Induces apoptosis in osteosarcoma and hepatoma cells. Suppresses nitric oxide (NO) biosynthesis.

Citations: 30 View Online »

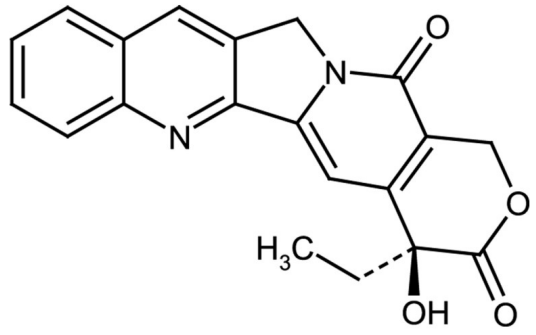
Ordering Information

Order Online »

ALX-350-015-M050	50mg
ALX-350-015-M250	250mg

Manuals, SDS & CofA

View Online »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Handling & Storage

Use/Stability	As indicated on product label or CoA when stored as recommended.
Handling	Protect from light and moisture. After reconstitution, prepare aliquots and store at -20°C.
Long Term Storage	+4°C
Shipping	Ambient Temperature

Regulatory Status

RUO - Research Use Only

Product Details

Appearance	Light yellow powder or needle-shaped crystal.
CAS	7689-03-4
Couple Target	p53, Topoisomerase
Couple Type	Activator, Inhibitor
Formula	$C_{20}H_{16}N_2O_4$
Identity	Determined by IR.
MI	**14:** 1735
MW	348.4
Purity	≥98% (HPLC)
RTECS	UQ0492000
Solubility	Soluble in DMSO (10mg/ml), methanol (40mg/ml), 0.1N sodium hydroxide (50mg/ml) or acetic acid; insoluble in water.
Source	Isolated from *Camptotheca acuminata* seeds.

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