

Product Name : (S)-(+)-Camptothecin

Synonyms : MAG-CPT; NSC 94600

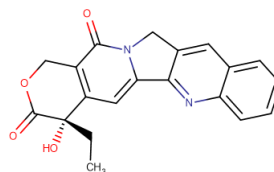
Cat No. : M15909

CAS Number : 7689-03-4

Molecular Formula : C₂₀H₁₆N₂O₄

Formula Weight : 348.36

Chemical Name : (S)-4-ethyl-4-hydroxy-1H-pyrano[3',4':6,7]indolizino[1,2-b]quinoline-3,14(4H,12H)-dione



Description : An alkaloid isolated from the stem wood of the Chinese tree, *Camptotheca acuminata*. This compound selectively inhibits the nuclear enzyme DNA TOPOISOMERASES, TYPE I. Several semisynthetic analogs of camptothecin have demonstrated antitumor activity.

Pathway : Cell Cycle/DNA Damage

Target : Topoisomerase

Receptor : Topo I

Solubility : DMSO: 3 mg/mL (8.61 mM)

SMILES : O=C1[C@](O)(CC)C2=C(CO1)C(N3CC4=CC5=CC=CC=C5N=C4C3=C2)=O

Storage : (-20°C)

Stability : ≥ 2 years

Reference :

1. Teicher BA. Biochem Pharmacol. 2007 Oct 22;.