

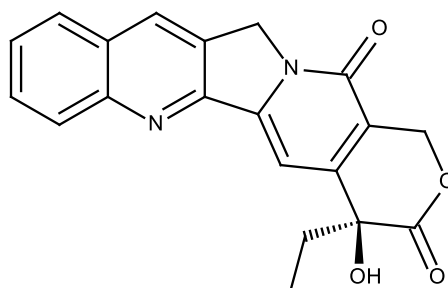
**Catalog # 10-1041**

**Camptothecin**

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

CAS# 7689-03-4

Lot # X101913



Camptothecin is a natural product isolated from the Chinese Happy Tree, *Camptotheca acuminata*. It is an inhibitor of DNA topoisomerase I. It binds irreversibly to the topoisomerase I /DNA complex preventing DNA re-ligation and generating permanent double strand breaks. Potent antitumor agent.

- 1) Hsiang *et al* (1985) *Camptothecin induces protein-linked DNA breaks via mammalian DNA topoisomerase I*. J.Biol. Chem. **260** 14873
- 2) Li *et al.* (2006) *Review camptothecin: current perspectives* Curr.Med.Chem. **13** 2021

**PHYSICAL DATA**

Molecular Weight:	348.35
Molecular Formula:	C <sub>20</sub> H <sub>16</sub> N <sub>2</sub> O <sub>4</sub>
Purity:	98%
Solubility:	DMSO (at least 5 mg/ml)
Physical Description:	Tan solid
Storage and Stability:	Store as supplied at -20°C for up to one year from the date of purchase. Solutions in DMSO may be stored at -20°C for up to 3 months

**Materials provided by Focus Biomolecules are for laboratory research use only and are not intended for human or veterinary applications.**