



Product Information

Product ID C0150
CAS No. 7689-03-4
Chemical Name (S)-4-Ethyl-4-hydroxy-1H-pyrano[3',4':6,7]indolizino-[1,2-b]quinoline-3,14(4H,12H)-dione

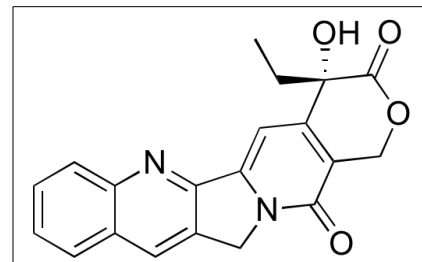
Synonym

Formula C₂₀H₁₆N₂O₄
Formula Wt. 348.35
Melting Point 264-267° C(dec.)
Purity ≥98%
Solubility Soluble in DMSO (10 mg/mL), methanol (40 mg/mL), 0.1 N NaOH (50 mg/mL). Insoluble in water.

Store Temp -20° C

Ship Temp Ambient

Description Camptothecin is a quinolone alkaloid precursor of irinotecan; it is originally produced by *Camptotheca*. Camptothecin exhibits anticancer chemotherapeutic activity, inhibiting topoisomerase I and inducing double-stranded DNA breaks. Camptothecin is extremely cytotoxic and only its derivatives are clinically used as chemotherapeutics.



Bulk quantities available upon request

Product ID	Size
C0150	25 mg
C0150	100 mg
C0150	250 mg
C0150	500 mg

References Rodríguez-Berna G, Mangas-Sanjuán V, Gonzalez-Alvarez M, et al. A promising camptothecin derivative: Semisynthesis, antitumor activity and intestinal permeability. *Eur J Med Chem.* 2014 Jun 25;83C:366-373. PMID: 24980118.

Berniak K, Rybak P, Bernas T, et al. Relationship between DNA damage response, initiated by camptothecin or oxidative stress, and DNA replication, analyzed by quantitative 3D image analysis. *Cytometry A.* 2013 Jul 11. [Epub ahead of print]. PMID: 23846844.

Redinbo MR, Stewart L, Kuhn P, et al. Crystal structures of human topoisomerase I in covalent and noncovalent complexes with DNA. *Science.* 1998 Mar 6;279(5356):1504-13. PMID: 9488644.

Caution: This product is intended for laboratory and research use only. It is not for human or drug use.