



Product Information

Product ID C0155

CAS No. 19685-09-7

Chemical Name (S)-4-Ethyl-4,10-dihydroxy-1H-pyrano[3',4':6,7]indolizino[1,2-b]quinoline-3,14(4H,12H)-dione

Synonym

Formula C₂₀H₁₆N₂O₅

Formula Wt. 364.35

Melting Point 268-270 °C

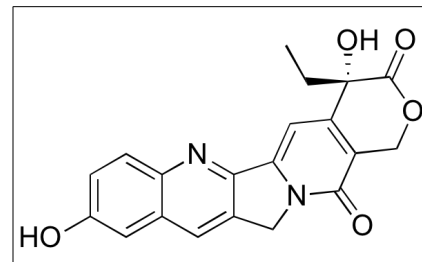
Purity ≥96%

Solubility Soluble in DMSO (5 mg/mL), DMF, methanol. Insoluble in water.

Store Temp -20 °C

Ship Temp Ambient

Description 10-Hydroxycamptothecin is a camptothecin derivative. 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
C0155	25 mg
C0155	100 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.