

Camptothecin, Topoisomerase I inhibitor

Catalog	Unit
TBI1041-100MG	100 mg
TBI1041-1G	1 g

Product Details

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

Molecular Formula: C₂₀H₁₆N₂O₄

Formula Weight: 348.40

CAS Number: 7689-03-4

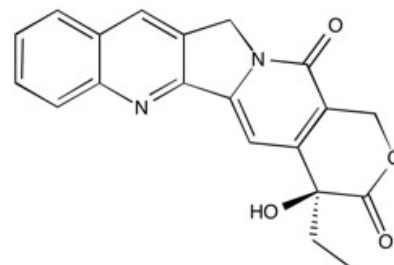
Purity: >98%

Formulation: powder

Solubility: Soluble in DMSO (up to 5 mg/ml).

Storage: -20°C

Stability: ≥ 1 year.



Applications

Topoisomerase I inhibitor

Functions

Camptothecin is a natural product isolated from *Camptotheca acuminata*. It is an inhibitor of DNA topoisomerase I and binds irreversibly to the topoisomerase I /DNA complex preventing DNA re-ligation and generating permanent double strand breaks. Induces apoptosis in a variety of cell lines and is a potent antitumor agent.

Application Procedures

First dissolved in DMSO (up to 5 mg/ml), then diluted to aqueous buffer. Solutions in DMSO may be stored at -20°C for up to 3 months.

For research use only.