

Catalog	Unit
TBI2425 - 10MG	10 mg
TBI2425 - 50MG	50 mg

### Product Details

**Formal Name:** 7-Ethyl-10-hydroxycamptothecin.

**Molecular Formula:** C<sub>22</sub>H<sub>20</sub>N<sub>2</sub>O<sub>5</sub>.

**Formula Weight:** 392.41.

**CAS Number:** 86639-52-3

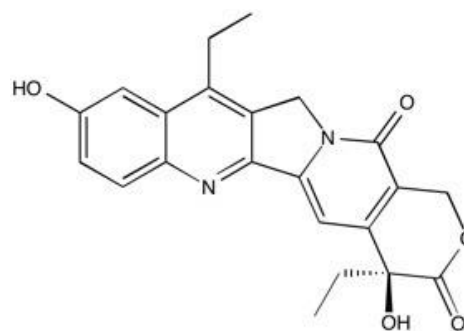
**Purity:** ≥98%

**Formulation:** Powder.

**Solubility:** Soluble in DMSO (up to 40 mg/ml).

**Storage:** -20°C.

**Stability:** ≥ 2 years.



### Applications

DNA Topoisomerase inhibitor.  
Cancer

### Functions

Active metabolite of CPT-11 that inhibits DNA topoisomerase I (IC<sub>50</sub> values are 0.74 and 1.9 μM in P388 and Ehrlich cells respectively). Inhibits DNA and RNA synthesis (IC<sub>50</sub> values are 0.077 and 1.3 μM respectively) but does not affect protein synthesis. Displays potent antitumor activity against a range of human tumor cell lines (IC<sub>50</sub> values are 3.3, 13, 19 and 22 nM for HCT-116, BEL-7402, HL60 and HELA cells respectively).

### Application Procedures

First dissolved in DMSO (up to 40 mg/ml), then diluted to aqueous buffer. Solutions in DMSO may be stored at -20°C for up to 2 months.

### Relative Products

TBI1170	Mitomycin C
TBI1345	E64, Cysteine protease inhibitor
TBI1347	E64d, Cysteine protease inhibitor
TBI2064	Chromomycin A3
TBI2069	Cytochalasin B
TBI2794	5-EDU, DNA Click labeling probe
TBI2071	Cytochalasin D
TBI1286	Bestatin, Aminopeptidase inhibitor
TBI2140	Gemcitabine
TBI2058	Aphidicolin, DNA polymerase Inhibitor

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