

## Exatecan mesylate, Topoisomerase I inhibitor

Catalog	Unit
TBI5764-20MG	20 mg
TBI5764-100MG	100 mg

### Product Details

**Formal Name:** (1S,9S)-1-Amino-9-ethyl-5-fluoro-1,2,3,9,12,15-hexahydro-9-hydroxy-4-methyl-10H,13H-benzo[de]pyrano[3',4':6,7]indolizino[1,2-b]quinoline-10,13-dione, methanesulfonate

**Alternate Names:** DX-8951f

**Molecular Formula:** C<sub>24</sub>H<sub>22</sub>FN<sub>3</sub>O<sub>4</sub> · CH<sub>3</sub>SO<sub>3</sub>H

**Formula Weight:** 531.6

**CAS Number:** 169869-90-3

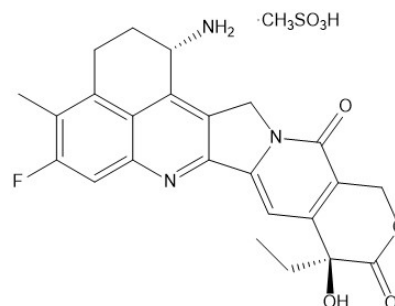
**Purity:** >98%

**Formulation:** Powder

**Solubility:** Soluble in DMSO (5 mg/ml with warming), or in Water (5 mg/ml).

**Storage:** -20°C

**Stability:** ≥ 2 years



### Applications

Topoisomerase I inhibitor

### Functions

Hexacyclic, water soluble camptothecin analog exhibiting potent antitumor activity *in vitro* and *in vivo*. It is a potent topoisomerase I inhibitor displaying antiproliferative activity against 32 malignant cell lines and was shown to be 6 and 28 times more potent than SN-38 and topotecan respectively. It displays potent cytotoxic effects in various drug-resistant cells. Exatecan can be utilized as a cytotoxic payload in the development of novel antibody drug conjugates (ADCs).

### Application Procedures

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

**For research use only.**