

## Etoposide (VP-16), Topoisomerase II inhibitor

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Catalog	Unit
TBI1123-100MG	100 mg
TBI1123-500MG	500 mg

### Product Details

**Formal Name:** 4'-Demethylepipodophyllotoxin 9-(4,6-O-ethylidene-β-D-glucopyranoside

**Molecular Formula:** C<sub>29</sub>H<sub>32</sub>O<sub>13</sub>

**Formula Weight:** 588.56

**CAS Number:** 33419-42-0

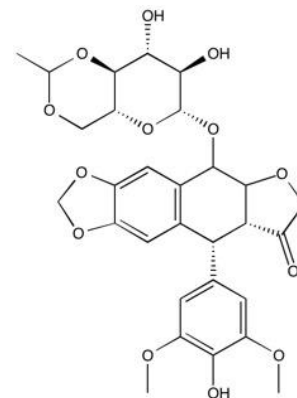
**Purity:** >98%

**Formulation:** powder

**Solubility:** Soluble in DMSO (up to 30 mg/ml).

**Storage:** RT

**Stability:** ≥ 2 years.



### Applications

Topoisomerase II inhibitor

### Functions

Chemotherapeutic agent. Etoposide forms a ternary complex with DNA and topoisomerase II, preventing re-ligation of DNA strands causing DNA cleavage. Blocks the cell cycle in S-phase and G2-phase.

### Application Procedures

First dissolved in DMSO (up to 30 mg/ml), then diluted to aqueous buffer. Solutions in DMSO may be stored at -20°C for up to 2 months.

**For research use only.**