

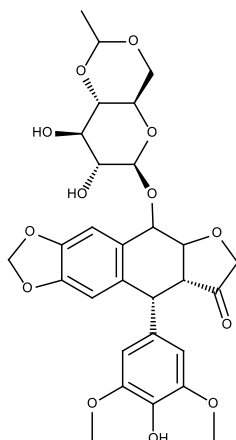
Catalog # 10-1123

Etoposide

CAS# 33419-42-0

4'-Demethylepipodophyllotoxin 9-(4,6-O-ethylidene-β-D-glucopyranoside)

Lot # X101306



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.

- 1) Hande (1998) *Etoposide: four decades of development of a topoisomerase II inhibitor*; Eur. J. Cancer **34**, 1514
- 2) Smith et.al. (1994) *Etoposide-induced cell cycle delay and arrest-dependent modulation of DNA topoisomerase II in small-cell lung cancer cells*. Br J Cancer. **70** 914

PHYSICAL DATA

Molecular Weight:	588.56
Molecular Formula:	C ₂₉ H ₃₂ O ₁₃
Purity:	>98%
	NMR: (Conforms)
Solubility:	DMSO (up to 30 mg/ml)
Physical Description:	White solid
Storage and Stability:	Store as supplied at -20°C for up to 2 years from the date of purchase. Protect from exposure to moisture. Solutions in DMSO may be stored at -20°C for up to 2 months.

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