

Product Name	: Etoposide
Synonyms	: EPE; NSC 141540; VP-16-123
Cat No.	: M14134
CAS Number	: 33419-42-0
Molecular Formula	: C ₂₉ H ₃₂ O ₁₃
Formula Weight	: 588.56
Chemical Name	: (5R,5aR,8aR)-9-(((2R,4aR,6R,7R,8R,8aS)-7,8-dihydroxy-2-methylhexahydropyrano[3,2-d][1,3]dioxin-6-yl)oxy)-5-(4-hydroxy-3,5-dimethoxyphenyl)-5,5a,8a,9-tetrahydrofuro[3',4':6,7]naphtho[2,3-d][1,3]dioxol-6(8H)-one
Description	: Etoposide is a semisynthetic derivative of podophyllotoxin, which inhibits DNA synthesis via topoisomerase II inhibition activity.
Pathway	: Cell Cycle/DNA Damage
Target	: Topoisomerase
Receptor	: Topo II
Solubility	: DMSO: 100 mg/mL (169.9 mM)
SMILES	: <chem>O=C1OC[C@]2([H])C(O)[C@H]3[C@H](O)[C@@H](O)[C@]4([H])O[C@H](C)OC[C@@]4([H])O3)C5=C(C=C6OCOC6=C5)[C@@H](C7=CC(OC)=C(O)C(OC)=C7)[C@]21[H]</chem>
Storage	: (-20°C)
Stability	: ≥ 2 years
Reference	:

1. Berman HM, et al. Nucleic Acids Res. 2000 Jan 1; 28(1):235-42.