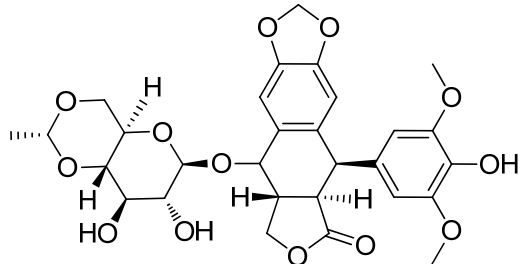




Certificate of Analysis

MedKoo Cat#:	Product Name:	Lot#:
100330	Etoposide	A23T08K23

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)-5,8,8a,9-tetrahydrofuro[3',4':6,7]naphtho[2,3-d][1,3]dioxol-6(5aH)-one.	
Synonyms	
Demethyl Epipodophyllotoxin; Ethylidine Glucoside; Epipodophyllotoxin; Toposar; VePesid; EPEG; VP-16; VP16; VP 16; VP-16-213; VP16213; VP 16 213.	
Chemical structure	CAS# and Theoretical analysis
	MedKoo Cat#: 100330 Name: Etoposide CAS#: 33419-42-0 Lot#: A23T08K23 Chemical Formula: C ₂₉ H ₃₂ O ₁₃ Exact Mass: 588.18429 Molecular Weight: 588.55

Analysis item	Specifications / Results
Appearance	White to off-white solid powder
Structure	¹ H-NMR analysis matches the structure. MS analysis gives the correct molecule weight. Both NMR and MS data are consistent with those reported in the literature.
Purity (HPLC)	99.0%
Conclusion	This product conforms with MedKoo's quality standards
Shipping condition	Shipped under ambient temperature as non-hazardous chemical. This product is stable for a few weeks during ordinary shipping and time spent in customs.
Storage condition	Short term storage (weeks): 0 – 4 °C under dry condition Long term storage (months): -20 °C under dry condition
Shelf life	At least 5 years if properly stored.

CAUTION: NOT FULLY TESTED. FOR RESEARCH ONLY, NOT FOR HUMAN USE