

Product Name:	Etoposide
Product Number:	E066
CAS Number:	33419-42-0
Molecular Formula:	$C_{29}H_{32}O_{13}$
Molecular Weight:	588.56
Description:	<p>Etoposide is an anticancer topoisomerase inhibitor that was derived from the natural product podophyllotoxin extracted from <i>Podophyllum peltatum</i>. It is effective against a variety of cancers, causing DNA damage which leads to apoptosis.</p> <p>Etoposide is very slightly soluble in water.</p>
Mechanism of Action:	<p>Etoposide targets DNA topoisomerase II, hindering the re-ligation step of DNA replication. This causes DNA damage and leads the cell to programmed cell death.</p>
References:	<p>Montecucco, A., Zanetta, F., & Biamonti, G. (2015). Molecular mechanisms of etoposide. <i>Experimental and Clinical Sciences</i>, 14, 95-108. doi:10.17179/excli2015-561</p>