

## CERTIFICATE of ANALYSIS

<b>PRODUCT:</b>	<b>Etoposide</b> Topoisomerase II inhibitor. P53 activator. [4-Desmethylepipodophyllotoxin 9-(4,6- <i>O</i> -ethylidene)- $\beta$ -D-glucopyranoside; VP-16-213] <b>C<sub>29</sub>H<sub>32</sub>O<sub>13</sub>, M.W. 588.6, CAS# [33419-42-0], M.I. 14:3886, RTECS: KC0190000</b>
<b>PRODUCT NUMBER:</b>	E-2004
<b>LOT NUMBER:</b>	J1005B
<b>APPEARANCE:</b>	White solid
<b>SOURCE/HOST:</b>	Semisynthetic derivative of podophyllotoxin.
<b>SOLUBILITY:</b>	Soluble in DMSO (25mg/ml).
<b>PURITY (HPLC):</b>	> 98%
<b>NMR:</b>	Conforms
<b>STORAGE &amp; HANDLING:</b>	Store desiccated at -20° C. <b>PROTECT FROM LIGHT AND MOISTURE!</b>

CAUTION: For research use only. Not for human or drug use. The pharmacological and toxicological properties of this product have not been fully investigated. Use caution when handling. Do not use this compound if you are not fully trained or are unaware of the hazards involved.

Verified: KLS