



## CERTIFICATE OF ANALYSIS

<b>PRODUCT:</b>	<b>Epirubicin HCl</b> [4'-Epidoxorubicin], C <sub>27</sub> H <sub>29</sub> NO <sub>11</sub> •HCl, M.W. 580.0, CAS# [56390-09-1]
<b>PRODUCT NUMBER:</b>	E-2306
<b>LOT NUMBER:</b>	E1319
<b>APPEARANCE:</b>	Red orange powder
<b>SOLUBILITY:</b>	May be dissolved in DMSO (50 mg/ml) or water (5 mg/ml)
<b>ANALYSIS (TLC):</b>	97%
<b>ANALYSIS (NMR):</b>	Conforms
<b>DESCRIPTION:</b>	Antitumor agent. Inhibits topoisomerase II. Induces DNA damage by a number of different mechanisms including intercalation, free radical-mediated oxidation, crosslinking, interference with DNA unwinding, strand separation and helicase activity. Induces myocardial disfunction as a side effect to chemotherapy
<b>STORAGE &amp; HANDLING:</b>	Store at -20°C. <b>PROTECT FROM LIGHT &amp; AIR!</b>

CAUTION: For laboratory research & scientific manufacturing 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: ND