

## CERTIFICATE of ANALYSIS

<b>PRODUCT:</b>	<b>Adriamycin</b> [Doxorubicin, 14-Hydroxydaunomycin, Adriacin, Adriblastin, Caelyx, Dox, Doxil, Farmiblastina, FI 106, K 1039, KW 125, NSC 123127], C <sub>27</sub> H <sub>29</sub> NO <sub>11</sub> , M.W. 543.5, CAS# [23214-92-8]
<b>PRODUCT NUMBER:</b>	A-1442
<b>LOT NUMBER:</b>	B1962
<b>SOURCE:</b>	<i>Streptomyces peucetius</i> MST-AS5775
<b>APPEARANCE:</b>	Orange red solid
<b>SOLUBILITY:</b>	Soluble in water, methanol, DMSO, DMF with moderate ethanol solubility.
<b>PURITY:</b>	> 99%
<b>DESCRIPTION:</b>	Adriamycin is the most extensively studied of a family of highly fluorescent anthracycline antibiotics produced by several <i>Streptomyces</i> species, first reported in 1967 and later approved for human therapeutic use as an antitumor agent for the treatment of a wide range of cancers. Adriamycin has also been reported to exhibit anti-HIV and antibacterial activity. The mode of action of adriamycin is thought to be due to intercalation of DNA and inhibition of nucleic acid synthesis. <b>Also supply A-1434, Doxorubicin . HCl CAS# [25316-40-9]</b>

# A.G. Scientific, Inc.

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**STORAGE & HANDLING:** Store at -20°C. **PROTECT FROM LIGHT & MOISTURE!**

**WARNING: TOXIC! MAY BE CARCINOGENIC!  
MAY BE TERATOGENIC! MAY BE MUTA NEOGENIC!  
MAY CAUSE HERITABLE GENETIC DAMAGE!**

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: DD