

CERTIFICATE OF ANALYSIS

PRODUCT:	Reveromycin A, Isolated from <i>Streptomyces</i> sp. MST-AS5344 C ₃₆ H ₅₂ O ₁₁ , M.W. 660.8, CAS# [134615-37-5]
PRODUCT NUMBER:	R-1200
LOT NUMBER:	B1602
APPEARANCE:	Tan Lyophilisate
PURITY (HPLC):	> 99%
SOLUBILITY:	Soluble in ethyl acetate, ethanol, methanol, DMF or DMSO. Avoid acidic conditions.
DESCRIPTION:	Reveromycin A, the dominant analogue of a complex of spiroketals isolated from a <i>Streptomyces</i> sp., is an inhibitor of the mitogenic activity of epidermal growth factor (EGF). It is a G1 phase cell cycle inhibitor, selectively inhibiting isoleucyl-tRNA synthetase. Reveromycin A displays antiproliferative behaviour against human cell lines KB and K562, as well as potent antifungal activity. More recently it has been shown to induce apoptosis in osteoclasts thus inhibiting bone resorption.
STORAGE & HANDLING:	Store at -20°C. <u>CAUTION:</u> UNSTABLE IN ACIDIC CONDITIONS!

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