

## CERTIFICATE OF ANALYSIS

<b>PRODUCT:</b>	<b>Platensimycin</b> From <i>Streptomyces</i> sp. <b>C<sub>24</sub>H<sub>27</sub>NO<sub>6</sub>, M.W. 441.2, CAS# [835876-32-9]</b>
<b>PRODUCT NUMBER:</b>	P-2781
<b>LOT NUMBER:</b>	G1145A
<b>APPEARANCE:</b>	Off-white to tan solid
<b>SOLUBILITY:</b>	Soluble in DMF, DMSO, ethanol and methanol. Poor water solubility.
<b>PURITY (HPLC):</b>	>95%
<b>PRODUCT DESCRIPTION:</b>	Platensimycin is a novel, broad spectrum, Gram-positive antibiotic produced by strains of <i>Streptomyces platensis</i> . Its discovery was heralded by high profile publication and commentary in the scientific and lay press. Platensimycin was discovered by a target-based, whole-cell screening strategy using an antisense differential sensitivity assay, based on the inhibition of fatty acid synthesis. Platensimycin inhibits bacterial growth by selectively inhibiting the elongation enzyme, b-ketoacyl acyl carrier protein synthase (FabF) of the fatty acid synthesis pathway.
<b>STORAGE &amp; HANDLING:</b>	Store desiccated at -20°C. <b>HYGROSCOPIC!</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: EK