

## CERTIFICATE OF ANALYSIS

<b>PRODUCT:</b>	<b>Bicyclomycin Benzoate</b> Bicozamycin benzoate, FR 2054 C <sub>19</sub> H <sub>22</sub> N <sub>2</sub> O <sub>8</sub> M.W. 406.4, CAS# [37134-40-0]
<b>PRODUCT NUMBER:</b>	B-2551
<b>LOT NUMBER:</b>	G1105
<b>APPEARANCE:</b>	White solid
<b>SOLUBILITY:</b>	Soluble in ethanol, methanol, DMF, or DMSO. Limited water solubility.
<b>SOURCE:</b>	Semi-synthetic
<b>PURITY (HPLC):</b>	> 99%
<b>PRODUCT DESCRIPTION:</b>	Bicyclomycin is a polar metabolite first isolated from <i>Streptomyces saporonensis</i> in 1972, with activity against Gram negative bacteria. The selective Gram negative profile of bicyclomycin is rare among <i>Streptomyces</i> metabolites, and in an effort to overcome its poor in vivo absorption, the benzoate ester was prepared by reaction with the more exposed primary alcohol. Bicyclomycin benzoate has limited use as a veterinary antibiotic.
<b>STORAGE &amp; HANDLING:</b>	Store desiccated at -20°C Protect from Light

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