

## CERTIFICATE OF ANALYSIS

<b>PRODUCT:</b>	<b>Filipin Complex</b> <i>Streptomyces filipinesis</i> C <sub>35</sub> H <sub>58</sub> O <sub>11</sub> (for Filipin III) <b>M.W. 654.8, CAS# [11078-21-0]</b>
<b>PRODUCT NUMBER:</b>	F-2427
<b>LOT NUMBER:</b>	H1354
<b>APPEARANCE:</b>	Yellow solid
<b>SOLUBILITY:</b>	Methanol: Clear to hazy yellow solution at 10mg/ml
<b>PURITY (HPLC):</b>	99.05% (Gradient H <sub>2</sub> O – ACN, 388nm)
<b>FILIPIN I:</b>	1.23%
<b>FILIPIN II:</b>	9.47%
<b>FILIPIN III:</b>	77.40%
<b>FILIPIN IV:</b>	10.95%
<b>LAMBDA max:</b>	322,338, 356 nm (methanol)
<b>PRODUCT DESCRIPTION:</b>	Filipin complex comprises a family of pentaene macrocyclic lactones first isolated from <i>Streptomyces filipinensis</i> and reported by researchers at Upjohn in 1955. Filipin complex consists of four analogues, with filipin III comprising the bulk (>70%) of the complex. Filipin complex is a potent broad spectrum antifungal agent that also exhibits antitumor and antiviral activities. Filipin complex acts by binding cell membrane sterols, disrupting membrane integrity.
<b>STORAGE &amp; HANDLING:</b>	Store desiccated at -20°C <b>Protect from Light!</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: SK