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## CERTIFICATE OF ANALYSIS

\*Aureothricin may be soluble in other solvents.

<b>Product Name</b>	<b>Aureothricin</b>	<b>From Streptomyces luteosporus</b>
<b>Molecular Formula</b>	<b>C<sub>9</sub>H<sub>10</sub>N<sub>2</sub>O<sub>2</sub>S<sub>2</sub></b>	
<b>Molecular Weight</b>	<b>242.3</b>	
<b>CAS Number</b>	<b>574-95-8</b>	
<b>Lot Number</b>	<b>AU001</b>	

Test	Results
Appearance	Yellow powder
Solubility*	DMSO/DMF: Clear yellow solution at 1mg/ml
TLC (NP, MDC, methanol 95:5)	>99%
TLC (RP C18, methanol, H <sub>2</sub> O 9:1)	>99%
Detection: Spray with H <sub>2</sub> SO <sub>4</sub> and heat	
HPLC (RP C18, gradient CH <sub>3</sub> CN: H <sub>2</sub> O 0% ⇒ 100% in 15min. 290nm)	>98% 100%
Lambda max	(Methanol) 249, 312, 389nm
Melting point	281-282°C
Elemental analysis	C: 45.18 (44.62) H: 4.29 (4.16) N: 11.47 (11.57) S: 22.54 (26.42)

Expiration Date: December 2013

December 16, 2010

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