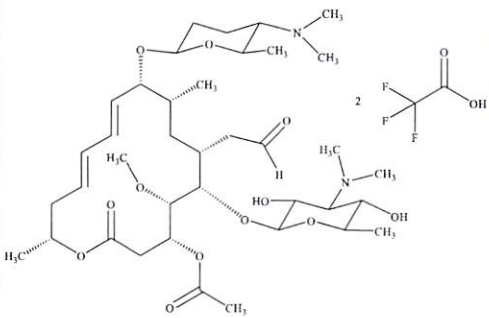


## Certificate of Analysis



Certificate No.: **20250326021**

Date: March 26, 2025

Retest date: March 20, 2028

<b>Compound Name:</b>	<b>Spiramycin EP Impurity G Ditrifluoroacetate</b>		
<b>Synonyms:</b>	(4R,5S,6S,7R,9R,10R,11E,13E,16R)-6-(((2S,3R,4S,5S,6R)-4-(dimethylamino)-3,5-dihydroxy-6-methyltetrahydro-2H-pyran-2-yl)oxy)-10-(((2R,5S,6R)-5-(dimethylamino)-6-methyltetrahydro-2H-pyran-2-yl)oxy)-5-methoxy-9,16-dimethyl-2-oxo-7-(2-oxoethyl)oxacyclohexadeca-11,13-dien-4-yl acetate, 2,2,2-trifluoroacetic acid (1:2)		
<b>TLC Catalogue Number:</b>	S-436		
<b>CAS Number:</b>	N/A		
<b>Alternate CAS Number:</b>	N/A		
<b>Molecular Weight:</b>	740.93 2*114.02		
<b>Molecular Formula:</b>	C <sub>38</sub> H <sub>64</sub> N <sub>2</sub> O <sub>12</sub> . 2 C <sub>2</sub> HF <sub>3</sub> O <sub>2</sub>		
<b>Source:</b>	TLC Pharmaceutical Standards		
<b>Source Lot No.:</b>	6714-070A3		
<b>Storage Conditions:</b>	Store at 2-8 °C		
<b>Solubility:</b>	Methanol, DMSO, Water		

Test Description	Specifications	Results
<b>Visual Description</b>	Off-white solid	<b>Conforms</b>
<b>Identification</b>		
IR	Conforms to structure	<b>Conforms</b>
MS	Conforms to structure	<b>Conforms</b>
<sup>1</sup> H NMR	Conforms to structure	<b>Conforms</b>
<sup>19</sup> F NMR	Conforms to structure	<b>Conforms</b>
<b>Purity (HPLC)</b>	Not less than 90.0%	<b>94.8%</b>
<b>Impurity (HPLC)</b>	RT 5.60, 1.06%; RT 6.42, 1.23%; RT 11.28, 1.42%	
<b>Residual Solvents (NMR)</b>	No residual solvent	
<b>Assay (qNMR)</b>	Not less than 85.0%	<b>87.9%</b>
<b>Recommendation:</b>	<b>Release.</b>	

Name	Department	Signature	Date
Reviewed and approved by:	Quality Control		03/26/2025
Approved by:	Quality Assurance		03/26/2025

**Attachments:** Peak Attribution Table, HPLC, IR, MS and NMR spectra.