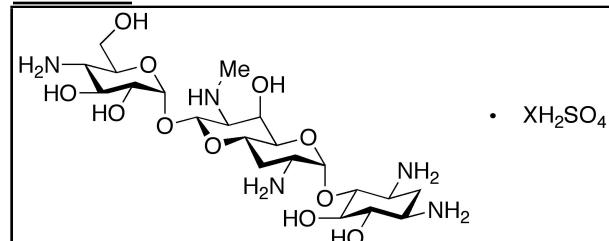


**CERTIFICATE OF ANALYSIS****1. Identification**

Catalogue Number A729600 Lot Number 3-SCC-48-1

Product Name  
Aframycin Sulfate

StructureSynonyms

O-4-Amino-4-deoxy- $\alpha$ -D-glucopyranosyl-(18)-O-(8R)-2-amino-2,3,7-trideoxy-7-(methylamino)-D-glycero- $\alpha$ -D-allo-octodialdo-1,5:8,4-dipyransyl-(14)-2-deoxy-D-streptamineSulfate;

CAS Number

65710-07-8

Solubility

Methanol (Slightly), Water (Slightly, Heated, Sonicated)

Shipping Condition

This Product Is Stable To Be Shipped At Room Temperature

Molecular FormulaC<sub>21</sub>H<sub>41</sub>N<sub>5</sub>O<sub>11</sub>• xH<sub>2</sub>SO<sub>4</sub>Source of Product

N/A

Long Term Storage Conditions

4°C

Molecular Weight

539.58 + 98.07

Purity

&gt;95%

**2. Warnings**

Not Determined

**3. Analytical Information**

<u>Tests</u>	<u>Specifications</u>	<u>Results</u>
Appearance	Pale Yellow to Light Yellow Solid	Pale Yellow Solid
NMR	Conforms to Structure	Conforms
Elemental Analysis	Conforms	%C: 29.47, %H: 6.32, %N: 8.06
HPLC Purity	>95%	95.84% (ELSD)
MS	Conforms to Structure	Conforms
Water Content	Report Result	8.8% by Karl Fischer
Sulfate Content	Report Result	28.15% by Ion Chromatography
Specific Rotation	Report Result	+109.6° (c = 0.5, Water)

Additional Information

N/A

Purity is based on the analytical results of the tests performed. NMR and Elemental Analysis (if available) may have an accuracy of  $\pm$  2%. Isotopic purity is based on mass distribution observed.

The contents of the specifications are subject to change without advance notice, and the specification values displayed here are the most up to date values.

**4. Signatures**

<u>Reviewed by</u>	<u>Reviewed by</u>	<u>C of A Approved by</u>	<u>Test Date</u>	<u>Retest Date</u>
			12/3/2021	12/1/2031

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