

1. Identification

Catalogue Number

N386010

Lot Number

7-MIE-84-1

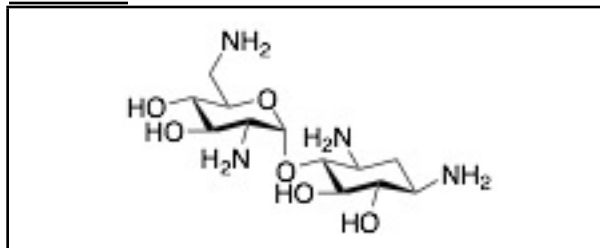
Product Name

Neamine

Synonyms

2-Deoxy-4-O-(2,6-diamino-2,6-dideoxy- α -D-glucopyranosyl)-D-streptamine; Neamine; Nebramycin X; Negamycin; O-2,6-Diamino-2,6-dideoxy- α -D-glucopyranosyl-(1 \rightarrow 4)-1,3-diamino-1,2,3-trideoxy-D-myoinositol; ST 7; Dekamycin V

Structure



CAS Number

3947-65-7

Solubility

Aqueous Acid (Slightly), Water (Slightly)

Shipping Condition

This Product Is Stable To Be Shipped At Room Temperature

Molecular Formula

C₁₂H₂₆N₄O₆

Source of Product

Synthetic

Long Term Storage Conditions

4°C, Hygroscopic

Molecular Weight

322.36

Purity

>95%

2. Warnings

Hygroscopic

3. Analytical Information

<u>Tests</u>	<u>Specifications</u>	<u>Results</u>
Appearance	White to Pale Yellow Solid	White to Pale Yellow Solid
NMR	Conforms to Structure	Conforms
Elemental Analysis	Conforms	%C: 42.82, %H: 8.08, %N: 16.79
HPLC Purity	>95%	99.62% (ELSD)
MS	Conforms to Structure	Conforms
Specific Rotation	Report Result	+97.6° (c = 0.2, 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

Reviewed by	Reviewed by	C of A Approved by	Test Date	Retest Date
			10/16/2024	10/14/2028
Nicole Yip	Toni Rantanen	Christina Gouliaras		
Product Quality Specialist	Manager, Quality Assurance	Quality Assurance Associate		