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Product Specification

Product Name:

Kanamycin sulfate from *Streptomyces kanamyceticus* – plant cell culture tested, BioReagent

Product Number:

K4378

CAS Number:

25389-94-0

MDL:

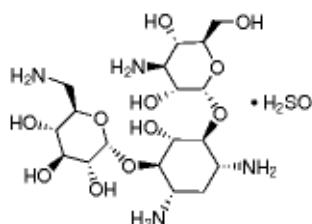
MFCD00070253

Formula:

C₁₈H₃₆N₄O₁₁·H₂O₄S

Formula Weight:

582.58 g/mol



TEST

Specification

Appearance (Color)

White to Off-White

Appearance (Form)

Powder

Solubility (Color)

Colorless to Faint Yellow

Solubility (Turbidity)

Clear

50 mg/ml, H₂O

Water (by Karl Fischer)

≤ 4 %

Infrared spectrum

Conforms to Structure

µg Kanamycin base/mg

≥ 750

Potency, anhydrous basis

Recommended Retest Period

3 Years

Carbon (anhydrous)

35.2 - 37.8 %

Nitrogen (anhydrous)

9.0 - 9.9 %

Plant Cell Culture Test

Pass

Specification Date : 02/17/2011

Sigma-Aldrich warrants, that at the time of the quality release or subsequent retest date this product conformed to the information contained in this publication. The current Specification sheet may be available at Sigma-Aldrich.com. For further inquiries, please contact Technical Service. Purchaser must determine the suitability of the product for its particular use. See reverse side of invoice or packing slip for additional terms and conditions of sale.