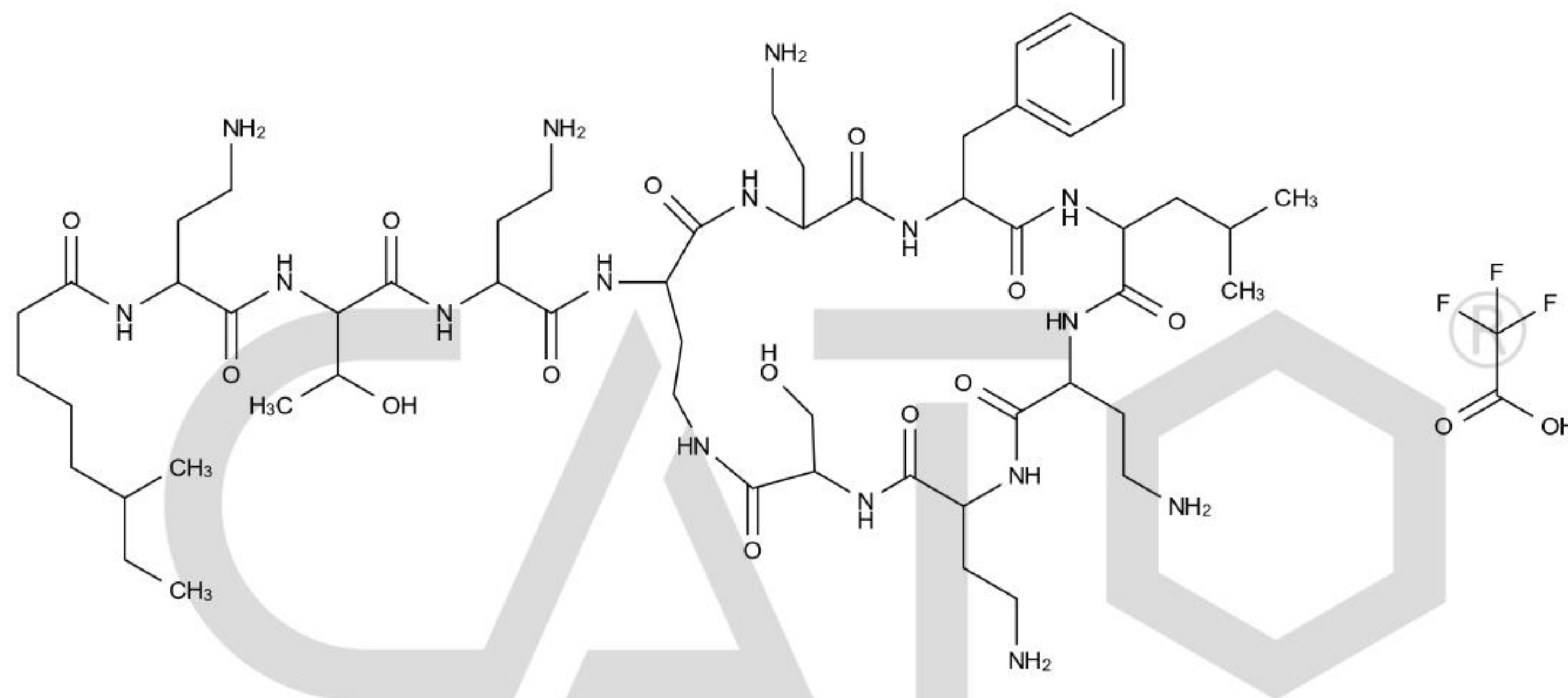


Certificate of Analysis

Reference Material & Standard

Product Name:	Polymyxin Impurity 42 TFA	Catalogue Number:	C4X-225542
Synonyms:	N/A	Lot Number:	1206-RF-0011
CAS Number:	N/A	Expiry Date:	Dec 10, 2026
Molecular Formula:	C ₅₅ H ₉₆ N ₁₆ O ₁₃ C ₂ HF ₃ O ₂	Storage:	-20°C±5°C Protected from light and Sealed
Molecular Weight:	1189.45 114.02		

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	White Solid
Identification	LCMS&HNMR	Confirmed
Purity	HPLC	99.5459%
Loss on Drying	TGA	0.79%
Assay		98.8%

Comment:

The calculation of the mass balance method follows the formula (calculated on the non-dried basis):

Assay (%) = (100% - Loss on Drying) * Purity HPLC (%) / 100%

Loss on Drying is considered as absolute effect, HPLC purity is considered as relative effect.

Signature:

Prepared by:

Lily

Reviewed by:

Hin Lam

Approved by General Manager:

David

Date: Dec 16, 2024

Date: Dec 18, 2024

Date: Dec 18, 2024

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