



CERTIFICATE OF ANALYSIS

20 Martin Ross Avenue, North York, ON, M3J 2K8, CANADA
Tel: (416) 665-9696, Fax: (416) 665-4439
Email: orders.trc@lgcgroup.com Website: www.trc-canada.com

1. Identification

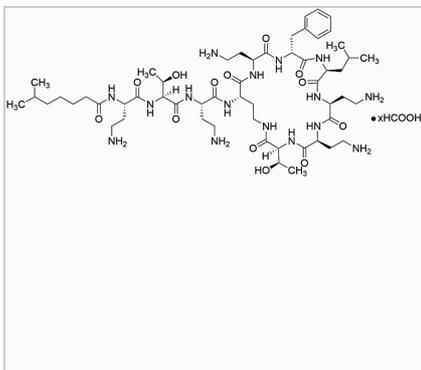
Catalogue Number: P689396

CAS Number: 34503-87-2

Product: Polymyxin B2 Formate Salt

Synonym: 1-[(2S)-4-Amino-2-[(6-methyl-1-oxoheptyl)amino]butanoic acid]polymyxin B1 Formate Salt; N2-(6-Methyl-1-oxoheptyl)-L-2,4-diaminobutanoyl-L-threonyl-L-2,4-diaminobutanoyl-L-2,4-diaminobutanoyl-L-2,4-diaminobutanoyl-D-phenylalanyl-L-leucyl-L-2,4-diaminobutanoyl-L-threonine (10?4)-lactam Formate Salt

Structure:



Molecular Formula:

$C_{55}H_{96}N_{16}O_{13} \cdot x(HCOOH)$

Molecular weight:

1189.45

Source of Product:

Synthetic

Solubility:

Methanol (Slightly), Water (Slightly)

Lot Number: 2-KAP-70-8

Purity: 95%

Shipping Condition: This Product Is Stable To Be Shipped At Room Temperature

Storage Condition: -20°C

2. Warning

Warning 1:

Warning 2:

Warning 3:

3. Analytical Information

Tests:	Specifications:	Results:
Appearance	White to Pale Brown Solid	Off-White Solid
NMR	Conforms to Structure	Conforms
Elemental Analysis	Conforms	%C: 46.50, %H: 8.00, %N: 14.31
HPLC Purity	Report Result	95.64% (ELSD)
MS	Conforms to Structure	Conforms
Water Content	Report Result	12.0% by Karl Fischer
Specific Rotation	Report Result	-64.9° (c = 0.1, 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

Henry Tieu

**Reviewed By**

Toni Rantanen

**C of A Approved
By**

Chanell Chu

**Test Date**

6/6/2022

Retest Date

6/4/2026