

Product Information

Compound Name

Erythromycin EP Impurity H (Erythromycin A N-Oxide)

Synonyms

N-[(2S,3R,4S,6R)-2-[[[(3R,4S,5S,6R,7R,9R,11R,12R,13S,14R)-14-ethyl-7,12,13-trihydroxy-4-[[[(2R,4R,5S,6S)-5-hydroxy-4-Methoxy-4,6-dimethyloxan-2-yl]oxy]-3,5,7,9,11,13-Hexamethyl-2,10-dioxo-1-oxacyclotetradecan-6-yl]oxy]-3-hydroxy-6-methyloxan-4-yl]-N-methylmethanamine oxide

Chemical Formula

C₃₇H₆₇NO₁₄

Molecular Weight

749.94

Catalogue Number

E0008.25

Lot No.

YJE-282-15

Long-Term Storage Conditions

2-8°C

Shipping Conditions

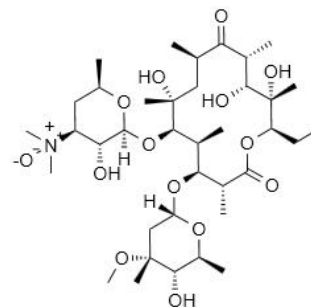
Ambient

Appearance

White Solid

Test Date: July. 14, 2022

Re-test Date: July. 13, 2025



CAS No. : 992-65-4

Analytical Information

Solubility

MeOH, DMSO

Elemental Analysis

Theoretical Value(%): C: 59.26 H: 9.01 N: 1.87

Experimental Value(%): C: 58.39 H: 9.09 N: 1.71

Residual Solvents (¹H NMR)

No significant amounts of RES were detected.

Method for Determining Identity

MS, ¹H NMR (CDCl₃), ¹³C NMR (CDCl₃)

Purity (HPLC)

97.61%

Optical Rotation

[α]_D^{24.6}(c=0.1067, CH₃OH): -78.88°

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