

# CERTIFICATE OF ANALYSIS

(Certificate No. KME001023-01)

Release Date: 05/09/2024

Re-test Date: 04/09/2027

## Erythromycin A Enol ether

### Identification

**Chemical Name :**

(2R,3R,4S,5R,8R,9S,10S,11R,12R)-9-[(2,6-dideoxy-3-C-methyl-3-O-methyl- $\alpha$ -L-ribo-hexopyranosyl)oxy]-5-ethyl-3,4-dihydroxy-2,4,8,10,12,14-hexamethyl-11-[[3,4,6-trideoxy-3-(dimethylamino)- $\beta$ -D-xylo-hexopyranosyl]oxy]-6,15-dioxabicyclo[10.2.1]pentadec-1(14)-en-7-one (as per EP)

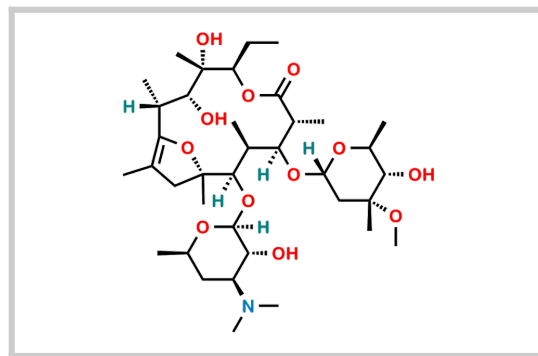
**Alt. Name** : Erythromycin A Enol ether (EP)

**CAT No.** : KME001023

**CAS No.** : 33396-29-1

**Molecular Formula** : C<sub>37</sub>H<sub>65</sub>NO<sub>12</sub>

**Molecular Weight** : 715.9



### Analytical Information

**Batch No.** : E001023-073-358

**Description** : White Solid

**HPLC Purity** : 97.41 %

**Weight Loss By TGA** : 2.01 %

**% Potency** : 95.45 %

**Solubility** : Acetonitrile

**Mass** : Confirm

**IR** : Confirm

**<sup>1</sup>H NMR** : Confirm

### Additional Information

**Long Term Storage** : Store at 2-8 deg. C for long term storage

**Shipping Condition** : Product is stable to be Shipped at Room Temperature

**% Potency** =  $[100 - 2.01(\text{Weight Loss By TGA})] \times [97.41(\text{HPLC Purity})]/100 = 95.45 \%$

**Recommendation** : Released

	Department	Name	Signature	Date
Prepared By	Analytical	Jignesh Patel		10/03/2025
Reviewed & Approved By	Quality Control	Jatin Patel		10/03/2025

**Attachments** : COA, HPLC, MASS, <sup>1</sup>HNMR, IR and TGA