

# CERTIFICATE OF ANALYSIS

(Certificate No. KML011071-01)

Release Date: 23/05/2025

Re-test Date: 22/05/2028

## Linezolid Impurity B

### Identification

**Chemical Name :**

(S)-N-{[3-(3-Fluoro-4-morpholinophenyl)-2-oxooxazolidin-5-yl]methyl} thioacetamide ;

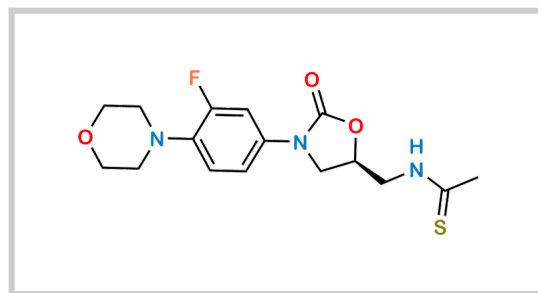
**Alt. Name** : ThioLinezolid

**CAT No.** : KML011071

**CAS No.** : 216868-57-4

**Molecular Formula** : C<sub>16</sub>H<sub>20</sub>FN<sub>3</sub>O<sub>3</sub>S

**Molecular Weight** : 353.4



### Analytical Information

**Batch No.** : L011015-102-043

**Description** : Off White Solid

**HPLC Purity** : 98.82 %

**Weight Loss By TGA** : 0.76 %

**% Potency** : 98.07 %

**Solubility** : ACN : Water (8:2)

**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 - 0.76(Weight Loss By TGA)] x [98.82(HPLC Purity)]/100 = 98.07 %

**Recommendation** : Released

	Department	Name	Signature	Date
Prepared By	Analytical	Jignesh Patel		24/05/2025
Reviewed & Approved By	Quality Control	Jatin Patel		24/05/2025

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