

CERTIFICATE OF ANALYSIS

(Certificate No. KML011001-01)

Release Date: 07/08/2024

Re-test Date: 06/08/2027

Linezolid Impurity A

Identification

Chemical Name :

(S)-5-(aminomethyl)-3-(3-fluoro-4-morpholinophenyl)oxazolidin-2-one

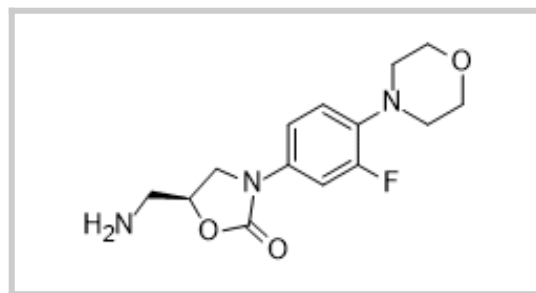
Alt. Name : Linezolid Desacetyl Analog

CAT No. : KML011001

CAS No. : 168828-90-8

Molecular Formula : C₁₄H₁₈FN₃O₃

Molecular Weight : 295.31



Analytical Information

Batch No. : LIN-RCC-073-319

Description : Light Yellow Solid

HPLC Purity : 99.53 %

Weight Loss By TGA : 4.01 %

% Potency : 95.54 %

Solubility : ACN : Water (1:1)

Mass : Confirm

IR : Confirm

¹H 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 - 4.01(Weight Loss By TGA)] x [99.53(HPLC Purity)]/100 = 95.54 %

Recommendation : Released

	Department	Name	Signature	Date
Prepared By	Analytical	Jignesh Patel		09/08/2024
Reviewed & Approved By	Quality Control	Jatin Patel		09/08/2024

Attachments : COA, HPLC, MASS, ¹H NMR, IR and TGA