# **CERTIFICATE OF ANALYSIS**

(Certificate No. KMB003003-01)

**Release Date:** 29/09/2025 **Re-test Date:** 28/09/2028

## S,R,R-THIOMORPHOLINE DERIVATIVE IMPURITY

## **Identification**

#### **Chemical Name:**

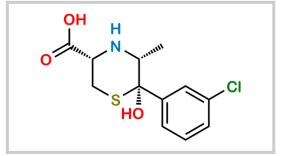
(3S,5R,6R)-6-(3-Chlorophenyl)-6-hydroxy-5-methylthiomorpholine-3-carboxylic acid

**CAT No.** : KMB003003

**CAS No.** : 2133460-43-0

Molecular Formula : C12H14ClNO3S

**Molecular Weight** : 287.8



## **Analytical Information**

Batch No. : B003003-102-306 **Solubility** : Methanol **Description** : Off White Solid Mass : Confirm **HPLC Purity** : 94.08 % IR : Confirm Weight Loss By TGA : 1.70 % 1H NMR : Confirm

**% Potency** : 92.48 %

### **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 - 1.70(Weight Loss By TGA)] x [94.08(HPLC Purity)]/100 = 92.48 %

**Recommendation** : Released

	Department	Name	Signature	Date
Prepared By	Analytical	Jignesh Patel		29/09/2025
Reviewed & Approved By	Quality Control	Jatin Patel		29/09/2025

Attachments : COA, HPLC, MASS, 1HNMR, IR and TGA