

# **CERTIFICATE OF ANALYSIS**

(Certificate No. KMO001009-02)

**Release Date:** 04/02/2026

**Re-test Date:** 03/02/2029

## **Omeprazole OME IX**

### **Identification**

**Chemical Name :**

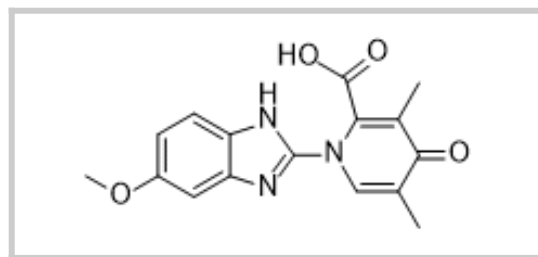
1-(5-methoxy-1H-benzo[d]imidazol-2-yl)-3,5-dimethyl-4-oxo-1,4-dihydropyridine-2-carboxylic acid

**CAT No.** : KMO001009

**CAS No.** : 1227380-90-6

**Molecular Formula** : C<sub>16</sub>H<sub>15</sub>N<sub>3</sub>O<sub>4</sub>

**Molecular Weight** : 313.31



### **Analytical Information**

**Batch No.** : O001009-114-137

**Description** : Light Yellow Solid

**HPLC Purity** : 98.72 %

**Weight Loss By TGA** : 7.96 %

**% Potency** : 90.86 %

**Solubility** : Water

**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 - 7.96(Weight Loss By TGA)] x [98.72(HPLC Purity)]/100 = 90.86 %

**Recommendation** : Released

	Department	Name	Signature	Date
Prepared By	Analytical	Parag Vekariya		04/02/2026
Reviewed & Approved By	Quality Control	Jatin Patel		04/02/2026

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