

# CERTIFICATE OF ANALYSIS

(Certificate No. KMO001009-01)

Release Date: 22/02/2024

Re-test Date: 21/02/2027

## Omeprazole OME IX

### Identification

**Chemical Name :**

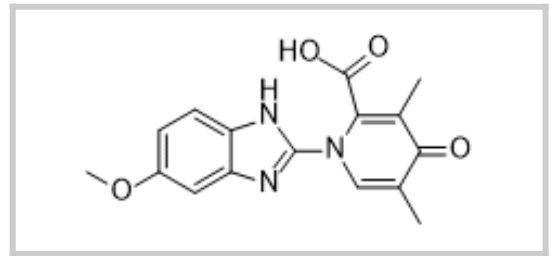
1-(5-methoxy-1H-benzo[d]imidazol-2-yl)-3,5-dimethyl-4-oxo-1,4-dihydropyridine-2-carboxylic acid

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. : OME-IX-073-083

Description : Light Brown Solid

HPLC Purity : 99.59 %

Weight Loss By TGA : 5.52 %

% Potency : 94.09 %

Solubility : ACN : Water (1:1)

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 - 5.52(Weight Loss By TGA)] x [99.59(HPLC Purity)]/100 = 94.09 %

Recommendation : Released

	Department	Name	Signature	Date
Prepared By	Analytical	Jignesh Patel		22/02/2024
Reviewed & Approved By	Quality Control	Jatin Patel		22/02/2024

Attachments : COA, HPLC, MASS, <sup>1</sup>H NMR, IR and TGA