

# CERTIFICATE OF ANALYSIS

(Certificate No. KMI004001-01)

Release Date: 13/03/2024

Re-test Date: 12/03/2027

## Imatinib EP Impurity F

### Identification

**Chemical Name :**  
6-methyl-N1-(4-(pyridin-3-yl)pyrimidin-2-yl)benzene-1,3-diamine

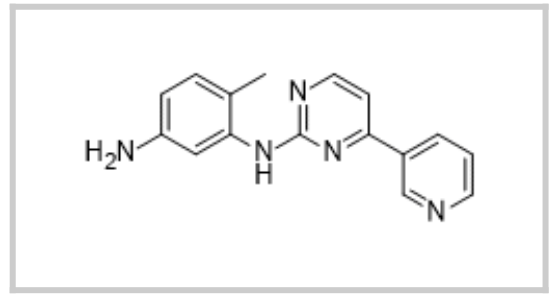
**Alt. Name** : Imatinib Diamine Impurity

**CAT No.** : KMI004001

**CAS No.** : 152460-10-1

**Molecular Formula** : C<sub>16</sub>H<sub>15</sub>N<sub>5</sub>

**Molecular Weight** : 277.32



### Analytical Information

**Batch No.** : IMA-EPF-073-123

**Description** : Yellow Solid

**HPLC Purity** : 99.44 %

**Weight Loss By TGA** : 0.20 %

**% Potency** : 99.24 %

**Solubility** : ACN

**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 - 0.20(Weight Loss By TGA)] x [99.44(HPLC Purity)]/100 = 99.24 %

**Recommendation** : Released

	Department	Name	Signature	Date
<b>Prepared By</b>	Analytical	Jignesh Patel		22/11/2024
<b>Reviewed &amp; Approved By</b>	Quality Control	Jatin Patel		22/11/2024

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