

CERTIFICATE OF ANALYSIS

(Certificate No. KMI004019-01)

Release Date: 14/11/2024

Re-test Date: 13/11/2027

Imatinib Impurity A

Identification

Chemical Name :

(2E)-3-(Dimethylamino)-1-(3-pyridyl)prop-2-en-1-one; (2E)-3-(Dimethylamino)-1-(3-pyridyl)prop-2-en-1-one;
(E)-3-(Dimethylamino)-1-(pyridin-3-yl)prop-2-en-1-one

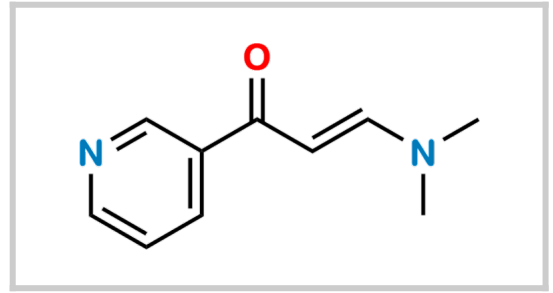
Alt. Name : Imatinib Dimethylamino Impurity ;

CAT No. : KMI004019

CAS No. : 55314-16-4

Molecular Formula : C₁₀H₁₂N₂O

Molecular Weight : 176.2



Analytical Information

Batch No. : I004019-091-031

Description : Yellow Solid

HPLC Purity : 99.89 %

Weight Loss By TGA : 0.04 %

% Potency : 99.85 %

Solubility : Methanol

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 - 0.04(Weight Loss By TGA)] x [99.89(HPLC Purity)]/100 = 99.85 %

Recommendation : Released

	Department	Name	Signature	Date
Prepared By	Analytical	Jignesh Patel		14/11/2024
Reviewed & Approved By	Quality Control	Jatin Patel		14/11/2024

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