

# CERTIFICATE OF ANALYSIS

(Certificate No. SZ-L038020-2001)

Analysis Date: 05/01/2022

Re-test Date: 04/01/2024

## Dimethyl Amine Impurity

### Identification

Chemical Name : 4-(3-Chloro-4-(3,3-dimethylureido)phenoxy)-7-methoxyquinoline-6-carboxamide

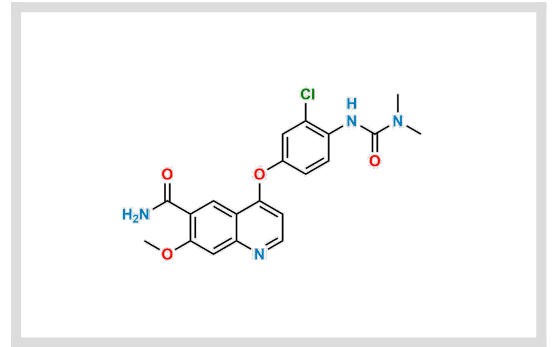
CAT No. : SZ-L038020

CAS No. : 2143930-76-9

Molecular Formula : C<sub>20</sub>H<sub>19</sub>ClN<sub>4</sub>O<sub>4</sub>

Molecular Weight : 414.8

Synonyms : Lenvatinib Impurity O



### Analytical Information

Batch Code : SRL-372-176-1

Solubility : ACN:H<sub>2</sub>O(8:2)

Appearance of product : Light Red Solid

Long Term Storage : 2-8 °C for long term storage

Weight Loss By TGA : 2.62 %

HPLC Purity : 100.00 %

Mass : Confirm

IR Analysis : Confirm

<sup>1</sup>H NMR : Confirm

<sup>13</sup>C NMR : Confirm

DEPT Analysis : Confirm

### Additional Information

% Potency = [100 - 2.62 ( Wt loss by TGA )] X [ 100.00 (HPLC Purity)] / 100 = 97.38 %

Recommendation : Released

Department		Signature	Date
Prepared and Reviewed by	Analytical		
Approved By	Quality Control		

Attachments : HPLC, Mass, <sup>1</sup>H NMR, IR, TGA, <sup>13</sup>C NMR, DEPT

Shipping Condition : All Products are stable to be shipped at room temperature, unless otherwise specified.