

# CERTIFICATE OF ANALYSIS

(Certificate No. KMS008028-01)

Release Date: 23/12/2024

Re-test Date: 22/12/2027

## Sorafenib Impurity C

### Identification

**Chemical Name :**

4-[4-[[[2-chloro-3-(trifluoromethyl)phenyl]carbamoyl]amino]phenoxy]-N-methylpyridine-2-carboxamide (as per EP); 4-(4-{3-[2-Chloro-3-(trifluoromethyl)phenyl]ureido}phenoxy)-N-methylpicolinamide (as per USP)

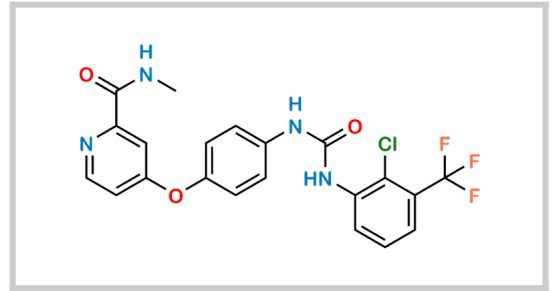
**Alt. Name** : Sorafenib USP Related Compound H

**CAT No.** : KMS008028

**CAS No.** : 1431697-81-2

**Molecular Formula** : C<sub>21</sub>H<sub>16</sub>ClF<sub>3</sub>N<sub>4</sub>O<sub>3</sub>

**Molecular Weight** : 464.8



### Analytical Information

**Batch No.** : SOR-IMP-D-030-025

**Description** : Brown Solid

**HPLC Purity** : 97.37 %

**Weight Loss By TGA** : 0.18 %

**% Potency** : 97.19 %

**Solubility** : Methanol

**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 - 0.18(Weight Loss By TGA)] x [97.37(HPLC Purity)]/100 = 97.19 %  
-Re-tested on 23.12.2024.

**Recommendation** : Released

	Department	Name	Signature	Date
<b>Prepared By</b>	Analytical	Parag Patel		25/12/2024
<b>Reviewed &amp; Approved By</b>	Quality Control	Jatin Patel		25/12/2024

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