

# CERTIFICATE OF ANALYSIS

(Certificate No. KMS008038-01)

Release Date: 21/07/2023

Re-test Date: 20/07/2026

## Sorafenib Impurity F

### Identification

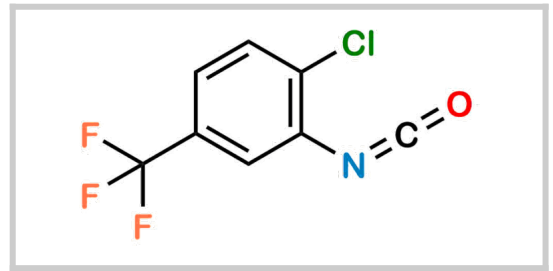
**Chemical Name :**  
1-Chloro-2-isocyanato-4-(trifluoromethyl)benzene

**CAT No.** : KMS008038

**CAS No.** : 50528-86-4

**Molecular Formula** : C<sub>8</sub>H<sub>3</sub>ClF<sub>3</sub>NO

**Molecular Weight** : 221.6



### Analytical Information

**Batch No.** : SOR-4TF-ISO-045-209

**Description** : Colorless Liquid

**HPLC Purity** : 99.68 %

**Weight Loss By TGA** : 6.29 %

**% Potency** : 93.41 %

**Solubility** : Acetonitrile

**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 - 6.29(Weight Loss By TGA)] x [99.68(HPLC Purity)]/100 = 93.41 %

Remarks : COA Re-generated on 25.12.2024

**Recommendation** : Released

|                        | Department      | Name        | Signature | Date       |
|------------------------|-----------------|-------------|-----------|------------|
| Prepared By            | Analytical      | Parag Patel |           | 25/12/2024 |
| Reviewed & Approved By | Quality Control | Jatin Patel |           | 25/12/2024 |

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