

# CERTIFICATE OF ANALYSIS

(Certificate No. KMC028001-01)

Release Date: 01/04/2024

Re-test Date: 31/03/2027

## Celecoxib Related Compound A

### Identification

**Chemical Name :**

4-(5-(m-tolyl)-3-(trifluoromethyl)-1H-pyrazol-1-yl)benzenesulfonamide

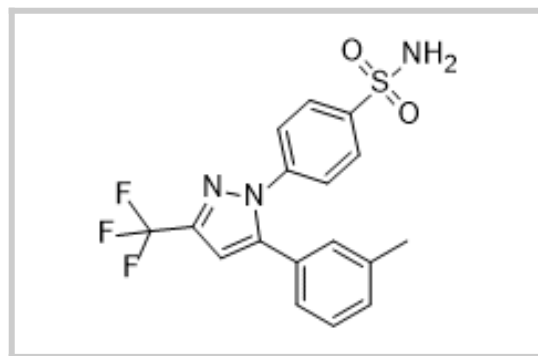
**Alt. Name** : Celecoxib USP Related Compound A ,  
Celecoxib 3-Methyl Analog

**CAT No.** : KMC028001

**CAS No.** : 170570-01-1

**Molecular Formula** : C<sub>17</sub>H<sub>14</sub>F<sub>3</sub>N<sub>3</sub>O<sub>2</sub>S

**Molecular Weight** : 381.37



### Analytical Information

**Batch No.** : CEL-EPA-073-148

**Description** : Off White Solid

**HPLC Purity** : 97.26 %

**Weight Loss By TGA** : 0.06 %

**% Potency** : 97.2 %

**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 - 0.06(Weight Loss By TGA)] x [97.26(HPLC Purity)]/100 = 97.2 %

**Recommendation** : Released

	Department	Name	Signature	Date
Prepared By	Analytical	Jignesh Patel		12/07/2025
Reviewed & Approved By	Quality Control	Jatin Patel		12/07/2025

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