

# CERTIFICATE OF ANALYSIS

(Certificate No. KMT136029-01)

Release Date: 23/11/2024

Re-test Date: 22/11/2027

## Tofacitinib Citrate PRS

### Identification

**Chemical Name :**

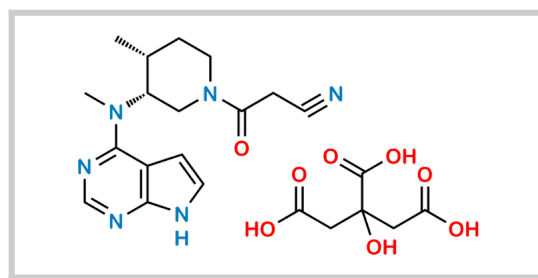
(3R,4R)-4-Methyl-3-(methyl-7H-pyrrolo[2,3-d]pyrimidin-4-ylamino)-β-oxo-1-piperidinepropanenitrile; 2-Hydroxy-1,2,3-propanetricarboxylate; (3R,4R)-1-(Cyanoacetyl)-4-methyl-N-methyl-N-1H-pyrrolo[2,3-d]pyrimidin-4-yl-3-piperidinamine 2-Hydroxy-1,2,3-propanetricarboxylate; CP 690500-10; CP 690550-10; Tofacitinib Citrate;

CAT No. : KMT136029

CAS No. : 540737-29-9

Molecular Formula : C<sub>16</sub>H<sub>20</sub>N<sub>6</sub>O : C<sub>6</sub>H<sub>8</sub>O<sub>7</sub>

Molecular Weight : 312.4 : 192.1



### Analytical Information

Batch No. : T136029-091-042

Description : White Solid

HPLC Purity : 99.95 %

Weight Loss By TGA : 0.39 %

% Potency : 99.56 %

Solubility : ACN : Water (1:1)

Mass : Confirm

IR : Confirm

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

<sup>13</sup>C 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 - 0.39(Weight Loss By TGA)] x [99.95(HPLC Purity)]/100 = 99.56 %

Recommendation : Released

|                        | Department      | Name          | Signature | Date       |
|------------------------|-----------------|---------------|-----------|------------|
| Prepared By            | Analytical      | Jignesh Patel |           | 30/11/2024 |
| Reviewed & Approved By | Quality Control | Jatin Patel   |           | 30/11/2024 |

Attachments : COA, HPLC, MASS, <sup>1</sup>H NMR, <sup>13</sup>C NMR, IR and TGA