

CERTIFICATE OF ANALYSIS

(Certificate No. KMT136029-01)

Release Date: 23/11/2024

Re-test Date: 22/11/2027

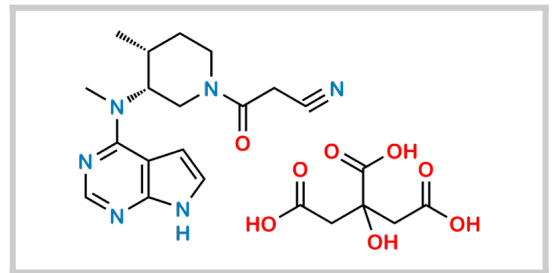
Tofacitinib Citrate PRS

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 : C₁₆H₂₀N₆O : C₆H₈O₇
Molecular Weight : 312.4 : 192.1



Analytical Information

| | | | |
|--------------------|-------------------|---------------------|---------------------|
| Batch No. | : T136029-091-042 | Solubility | : ACN : Water (1:1) |
| Description | : White Solid | Mass | : Confirm |
| HPLC Purity | : 99.95 % | IR | : Confirm |
| Weight Loss By TGA | : 0.39 % | ¹ H NMR | : Confirm |
| % Potency | : 99.56 % | ¹³ 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, ¹H NMR, ¹³C NMR, IR and TGA