CERTIFICATE OF ANALYSIS

(Certificate No. KMT136029-01)

Release Date: 23/11/2024 **Re-test Date:** 22/11/2027

Tofacitinib Citrate PRS

Identification

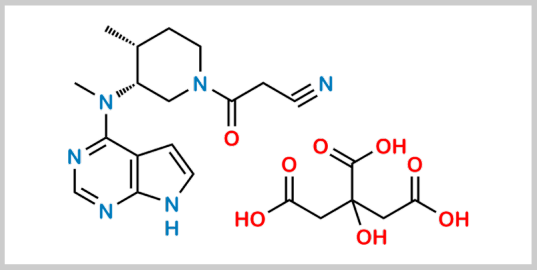
Chemical Name :
(3R,4R)-4-Methyl-3-(methyl-7H-pyrrolo[2,3-d]pyrimidin-4-ylamino)-β-oxo-1-piperidinepropanenitrile; 2-Hydroxy-1,2,3-propanetricarboxylate; (3R,4R)-1-(Cyanoacetyl)-4-methyl-N-methyl-N-1H-pyrrolo[2,3-d]pyrimidin-4-yl-3-piperidinamine 2-Hydroxy-1,2,3-propanetricarboxylate; CP 690500-10; CP 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 %	**1H NMR**	: Confirm
% Potency	: 99.56 %	**13C 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, 1HNMR, 13CNMR, IR and TGA