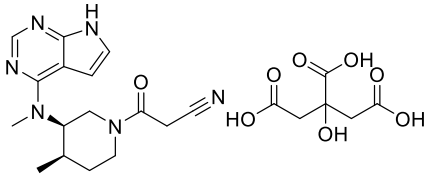




Certificate of Analysis

| | | |
|---------------------|----------------------|--------------|
| MedKoo Cat#: | Product Name: | Lot#: |
| 100951 | Tofacitinib citrate | A8T07K06 |

| | |
|---|---|
| Chemical name | |
| 1-Piperidinepropanenitrile, 4-methyl-3-(methyl-7H-pyrrolo(2,3-d)pyrimidin-4-ylamino)-beta-oxo-, (3R,4R)-, 2-hydroxy-1,2,3-propanetricarboxylate (1:1) | |
| Synonyms | |
| Tofacitinib citrate; CP690550; CP-690550; CP 690550; CP-690550-10; CP-690,550-10; CP-690550 citrate; Tofacitinib; tasocitinib. Trade name Xeljanz. | |
| Chemical structure | CAS# and Theoretical analysis |
|  | MedKoo Cat#: 100951 Name: Tofacitinib citrate CAS#: 540737-29-9 (citrate) Lot#: A8T07K06 Chemical Formula: C ₂₂ H ₂₈ N ₆ O ₈ Molecular Weight: 504.5 |

| Analysis item | Specifications / Results |
|---------------------------|--|
| Appearance | White to off white |
| Structure | ¹ H-NMR analysis matches the structure. MS analysis gives the correct molecule weight. Both NMR and MS data are consistent with those reported in the literature. |
| Purity (HPLC) | >99.0% |
| Solubility | Soluble in DMSO. |
| Conclusion | This product conforms with MedKoo's quality standards |
| Shipping condition | Shipped under ambient temperature as non-hazardous chemical. This product is stable for a few weeks during ordinary shipping and time spent in customs. |
| Storage condition | Short term storage (weeks): 0 – 4 °C under dry condition Long term storage (months): -20 °C under dry condition |
| Shelf life | At least 5 years if properly stored. |

CAUTION: NOT FULLY TESTED. FOR RESEARCH ONLY, NOT FOR HUMAN USE