



Certificate of Analysis

MedKoo Cat#: 200811	Product Name: Tofacitinib	Lot# BBC60914
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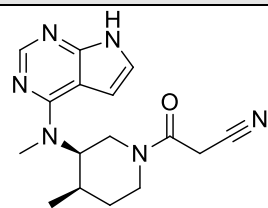
Chemical name

3-((3R,4R)-4-Methyl-3-(methyl(7H-pyrrolo[2,3-d]pyrimidin-4-yl)amino)piperidin-1-yl)-3-oxopropanenitrile

Synonyms

CP-690550; Tofacitinib; tasocitinib.

Chemical structure



CAS# and Theoretical analysis

MedKoo Code#: 200811
Name: Tofacitinib
CAS#: 477600-75-2
Lot#: BBC60914
Chemical Formula: C₁₆H₂₀N₆O
Exact Mass: 312.16986
Molecular Weight: 312.37

Analysis item	Specifications / Results
Appearance	White to off-white solid powder
Structure	¹ H-NMR and MS spectrum of the sample correspond to the data reported in the literature
Purity (HPLC)	>99.0%
Solubility	Soluble in DMSO at 100 mg/mL; in ethanol at 100 mg/mL; very poorly soluble in water.
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 oC under dry condition Long term storage (months): -20 oC under dry condition
Shelf life	At least 5 years if properly stored.

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