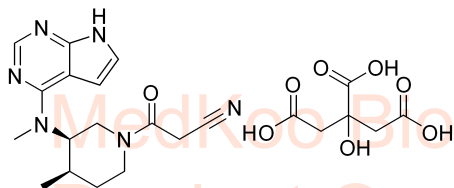


Tofacitinib citrate HNMR Analysis, Solvent = d6-DMSO

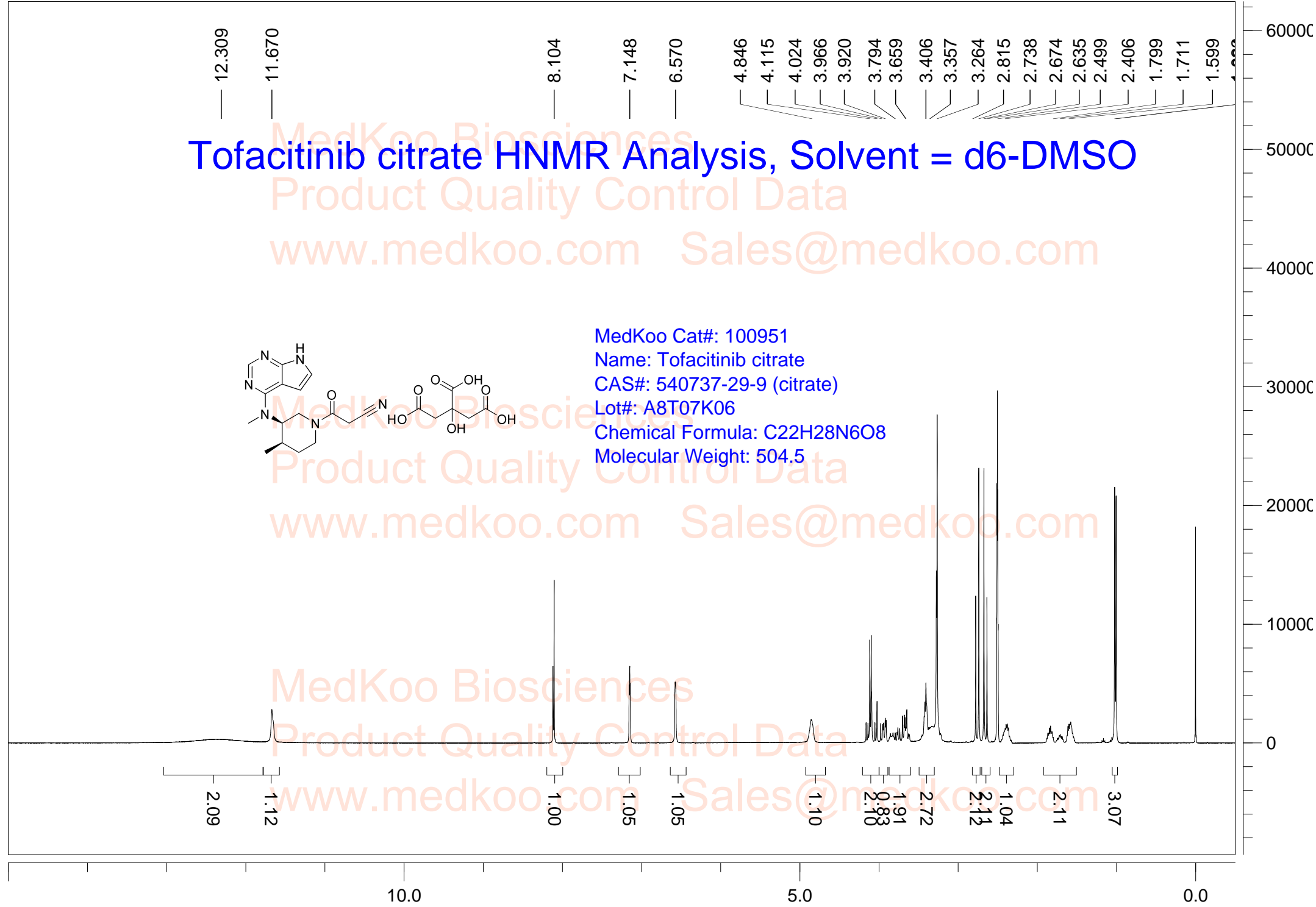
MedKoo Biosciences
Product Quality Control Data
www.medkoo.com Sales@medkoo.com



MedKoo Cat#: 100951
Name: Tofacitinib citrate
CAS#: 540737-29-9 (citrate)
Lot#: A8T07K06
Chemical Formula: C₂₂H₂₈N₆O₈
Molecular Weight: 504.5

MedKoo Biosciences
Product Quality Control Data
www.medkoo.com Sales@medkoo.com

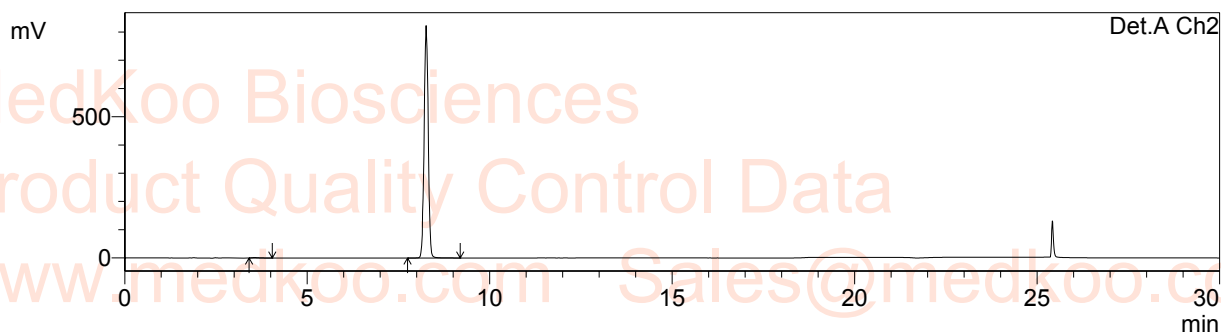
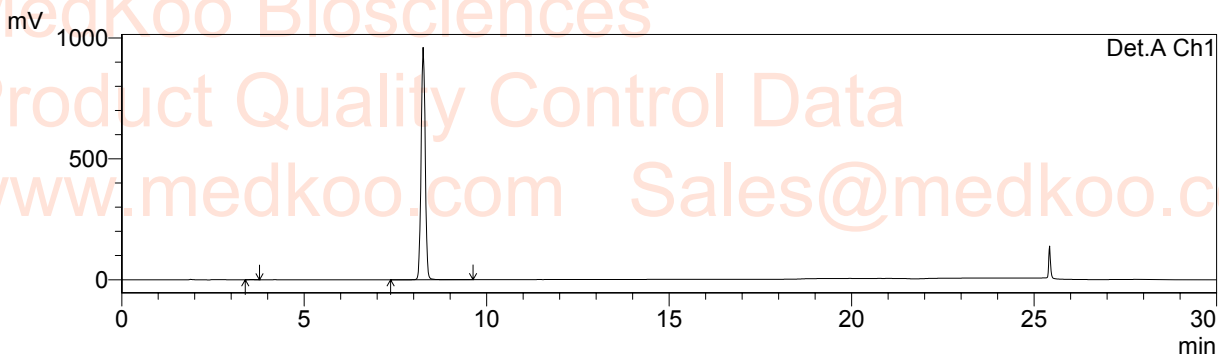
MedKoo Biosciences
Product Quality Control Data
www.medkoo.com Sales@medkoo.com



Tofacitinib citrate HPLC Analysis

Column : Inertil ODS-3, 5um 4.6*150mm
 Mobile phase : Solvent A: H2O(0.05%H3PO4) Solvent B:ACN(0.05%H3PO4)
 Temperature : 40 °C
 Flow rate : 1mL/min
 Run time : 3min gradient(20%B), 12min gradient (20%-50%B), 5min gradient (50%-95%B),3 min(95%B),th
 Detector : UV
 Wavelength : 220/254 nm
 User name : 540737-29-9
 Notebook page :
 Sample description : 540737-29-9
 Injection Volume : 540737-29-9
 Data File Name : 540737-29-9.lcd
 Method File Name : 540737-29-9.lcm

MedKoo Biosciences
 Product Quality Control Data
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1Det.A Ch1/220nm
 2Det.A Ch2/254nm

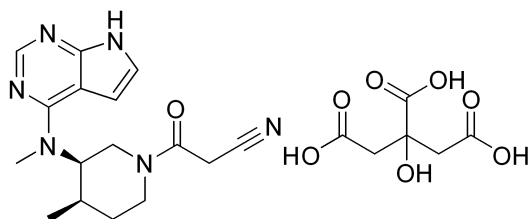
PeakTable

Detector A Ch1 220nm

Peak#	Ret. Time	Area	Area %	Theoretical Plate#
1	3.549	14002	0.185	1748.012
2	8.255	7559844	99.815	23106.239
Total		7573846	100.000	

Detector A Ch2 254nm

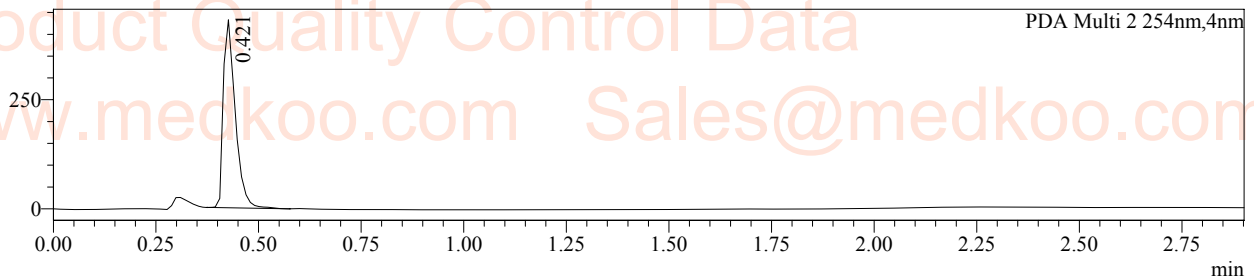
Peak#	Ret. Time	Area	Area %	Theoretical Plate#
1	3.545	17407	0.268	1649.970
2	8.255	6478126	99.732	23112.959
Total		6495533	100.000	



MedKoo Cat#: 100951
 Name: Tofacitinib citrate
 CAS#: 540737-29-9 (citrate)
 Lot#: A8T07K06
 Chemical Formula: C22H28N6O8
 Molecular Weight: 504.5

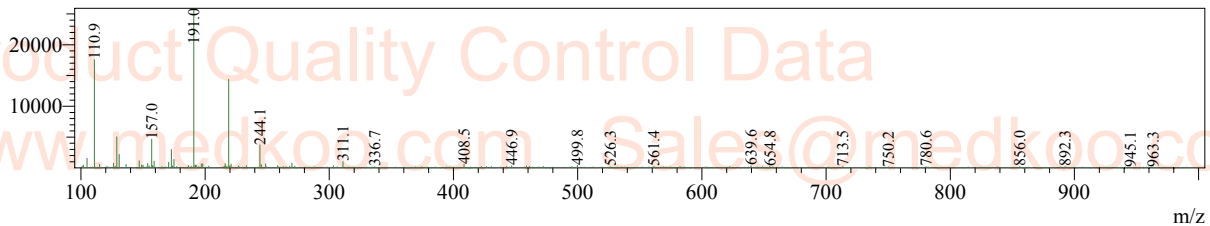
Tofacitinib citrate LC/MS Analysis

LC-MS condition
Column : Chromolith SpeedROD ,RP-18e,50*4.6mm LCMS-002
Mobile Phase : A: H2O(0.05%FA)
B: CH3CN
Temperature : 35°C
Flow rate : 2.5mL/min
Run time : 0.1min@20%B,1.7min gradient(20-95% B), then0.7min@95% B,then0.4min@20% B
Injection volume : 5 uL
Detector : UV 220/254nm
Mass range : 100-1000
Scan : Postive/Negative
User Name : ZXH
Data Filename : 540737-29-9.lcd
mAU

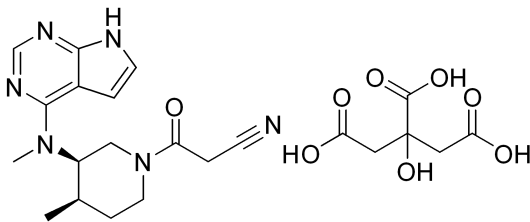
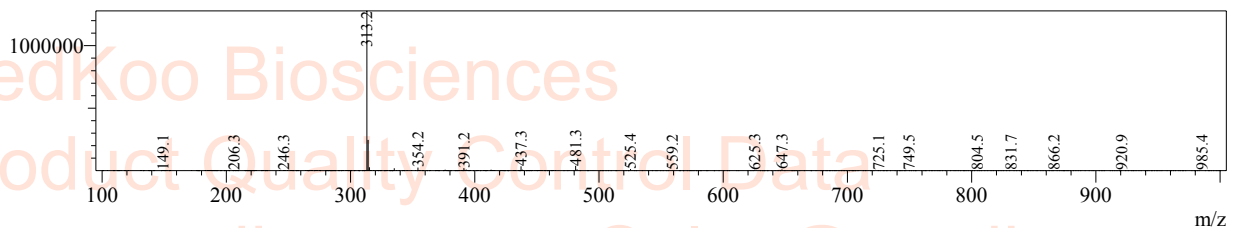


MS Spectrum

Peak#:1 R.Time:0.400(Scan#:28)
MassPeaks:496
Spectrum Mode:Averaged 0.375-0.425(26-30)
BG Mode:Calc Segment 1 - Event 2



Peak#:1 R.Time:0.417(Scan#:29)
MassPeaks:532
Spectrum Mode:Averaged 0.392-0.442(27-31)
BG Mode:Calc Segment 1 - Event 1



MedKoo Cat#: 100951
Name: Tofacitinib citrate
CAS#: 540737-29-9 (citrate)
Lot#: A8T07K06
Chemical Formula: C22H28N6O8
Molecular Weight: 504.5