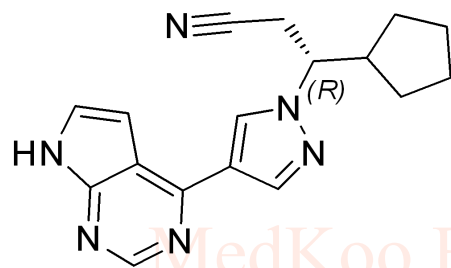
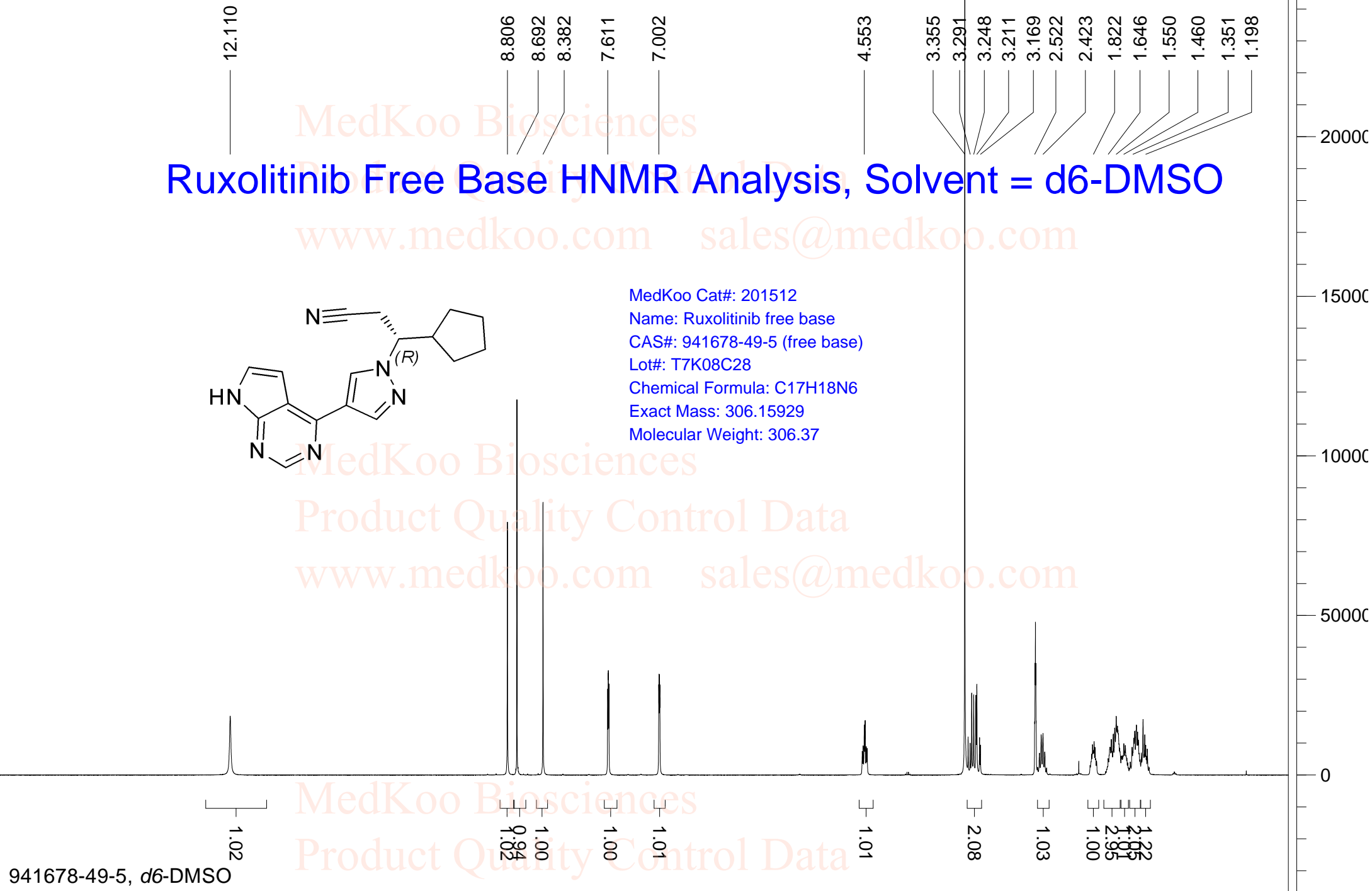


Ruxolitinib Free Base HNMR Analysis, Solvent = d6-DMSO



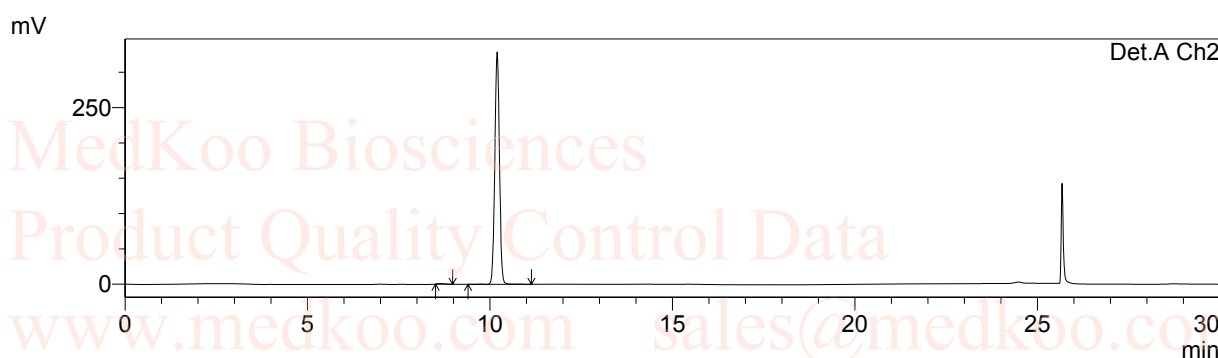
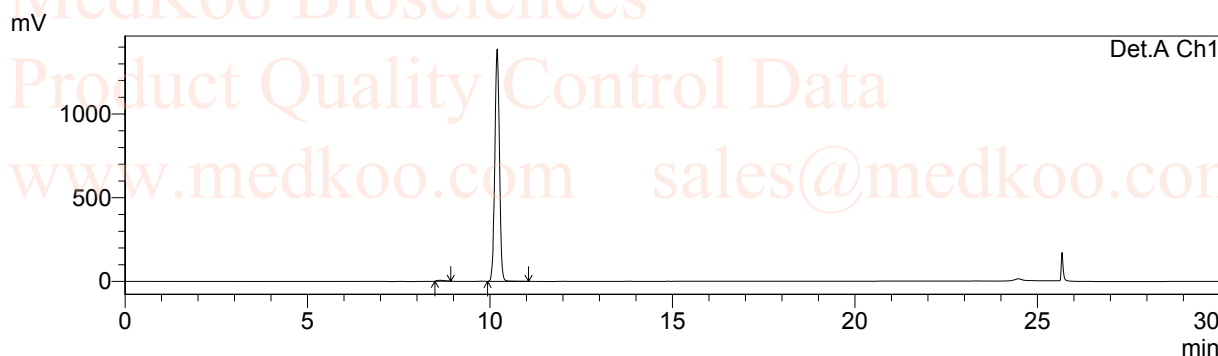
MedKoo Cat#: 201512
Name: Ruxolitinib free base
CAS#: 941678-49-5 (free base)
Lot#: T7K08C28
Chemical Formula: C₁₇H₁₈N₆
Exact Mass: 306.15929
Molecular Weight: 306.37



941678-49-5, d6-DMSO

Ruxolitinib Free Base HPLC Analysis

Column : Inertil ODS-3, 5um 4.6*150mm
 Mobile phase : Solvent A: H2O(0.05%H2O) Solvent B:ACN (0.05%H3PO4)
 Temperature : 40°C
 Flow rate : 0.8mL/min
 Run time : 3min gradient(5%B), 15min gradient (5%-30%B),5 min(30%B),then 7min @5%B
 Detector : UV
 Wavelength : 210/220 nm
 User name : 941678-49-5
 Notebook page :
 Sample description : 1.0mg/mL in MECN
 Injection Volume : 1 uL

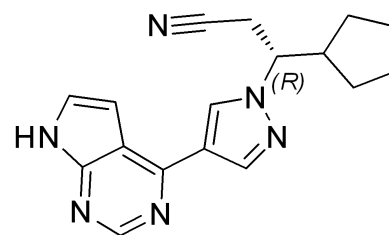


1Det.A Ch1/220nm
 2Det.A Ch2/254nm

PeakTable

Detector A Ch1 220nm

| Peak# | Ret. Time | Area | Area % | Theoretical Plate# |
|-------|-----------|----------|---------|--------------------|
| 1 | 8.625 | 79859 | 0.649 | 7980.126 |
| 2 | 10.193 | 12233151 | 99.351 | 28662.872 |
| Total | | 12313010 | 100.000 | |



PeakTable

Detector A Ch2 254nm

| | Ret. Time | Area | Area % | Theoretical Plate# |
|-------|-----------|---------|---------|--------------------|
| 1 | 8.625 | 11556 | 0.396 | 8232.180 |
| 2 | 10.193 | 2910008 | 99.604 | 28596.666 |
| Total | | 2921564 | 100.000 | |

MedKoo Cat#: 201512

Name: Ruxolitinib free base

CAS#: 941678-49-5 (free base)

Lot#: T7K08C28

Chemical Formula: C17H18N6

Exact Mass: 306.15929

Molecular Weight: 306.37

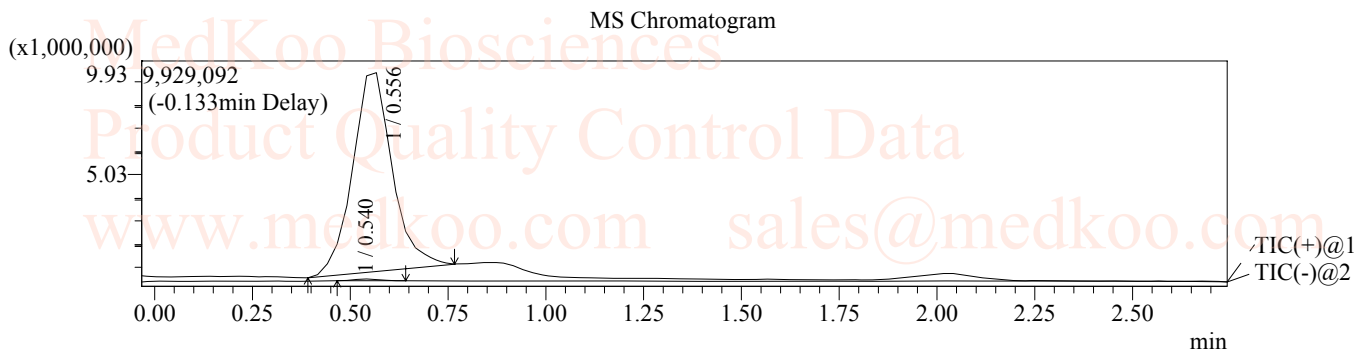
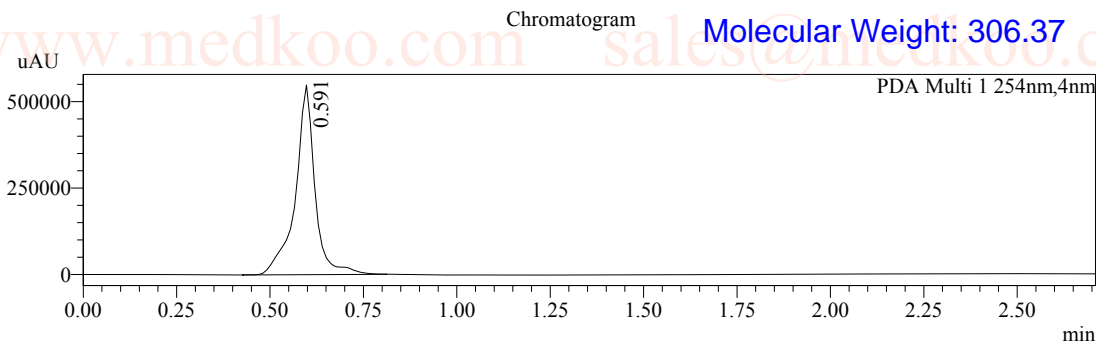
Ruxolitinib Free Base LC/MS Analysis

LC-MS condition

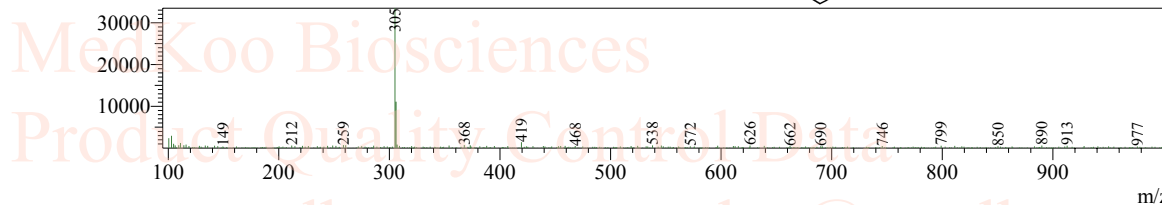
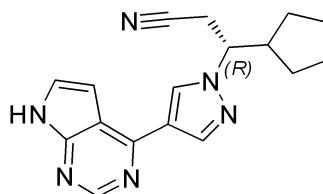
Column : Chromolith SpeedROD ,RP-18e,50*4.6mm LCMS-002
 Mobile Phase : A: H2O(0.05%FA)
 B: CH3CN
 Temperature : 35°C
 Flow rate : 2.5mL/min
 Run time : 0.1min@20%B,1.7min gradient(20-95% B), then0.7min@95% B,then0.4min@20% B
 Injection volume : 5 uL
 Detector : UV 220/254nm
 Mass range : 100-1000
 Scan : Postive/Negative
 User name : SZJ
 Notebook page : ---
 Sample description : 1 mg/ml in MeCN
 Data Filename : 941678-49-5.lcd
 Batch Filename : 941678-49-5.lcb
 Method Filename : positive-negative 3min-2.lcm
 Vial # : 1-88
 Injection Volume : 2 uL

MedKoo Cat#: 201512
 Name: Ruxolitinib free base
 CAS#: 941678-49-5 (free base)
 Lot#: T7K08C28
 Chemical Formula: C17H18N6
 Exact Mass: 306.15929
 Molecular Weight: 306.37

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Peak#:1 R.Time:0.540(Scan#:46)
 MassPeaks:448
 Spectrum Mode:Averaged 0.500-0.550(44-48)
 BG Mode:Calc Segment 1 - Event 2



Peak#:1 R.Time:0.556(Scan#:47)
 MassPeaks:451
 Spectrum Mode:Averaged 0.517-0.567(45-49)
 BG Mode:Calc Segment 1 - Event 1

