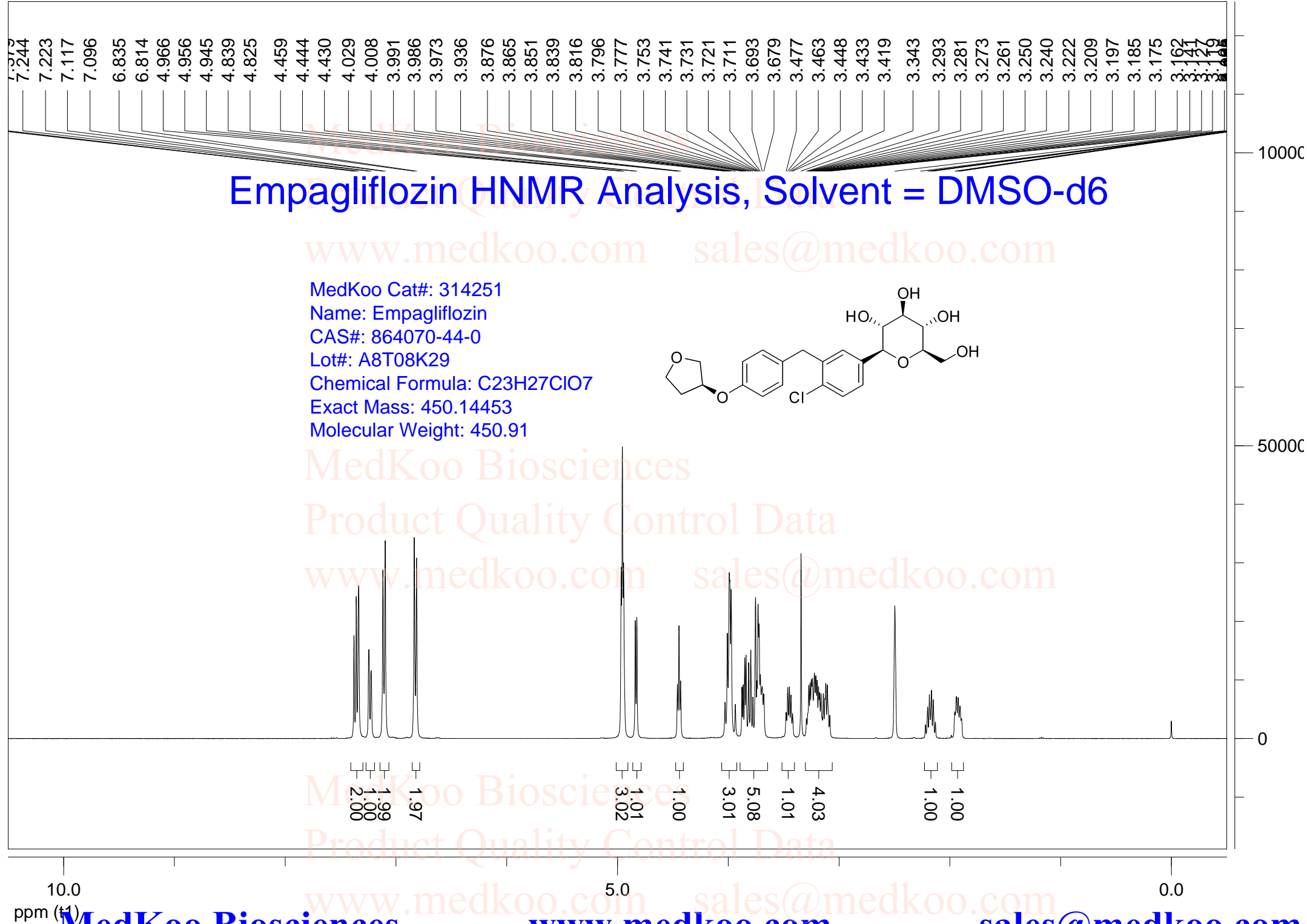
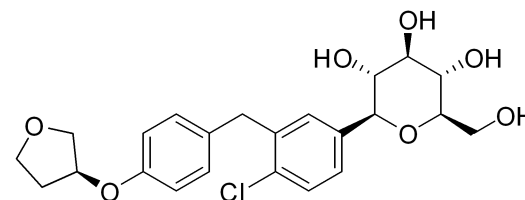


Empagliflozin HNMR Analysis, Solvent = DMSO-d6

www.medkoo.com sales@medkoo.com

MedKoo Cat#: 314251
Name: Empagliflozin
CAS#: 864070-44-0
Lot#: A8T08K29
Chemical Formula: C₂₃H₂₇ClO₇
Exact Mass: 450.14453
Molecular Weight: 450.91

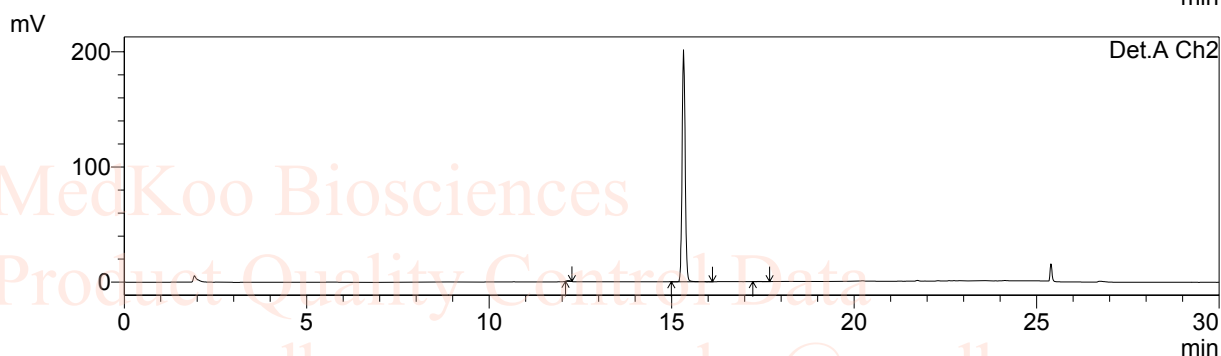
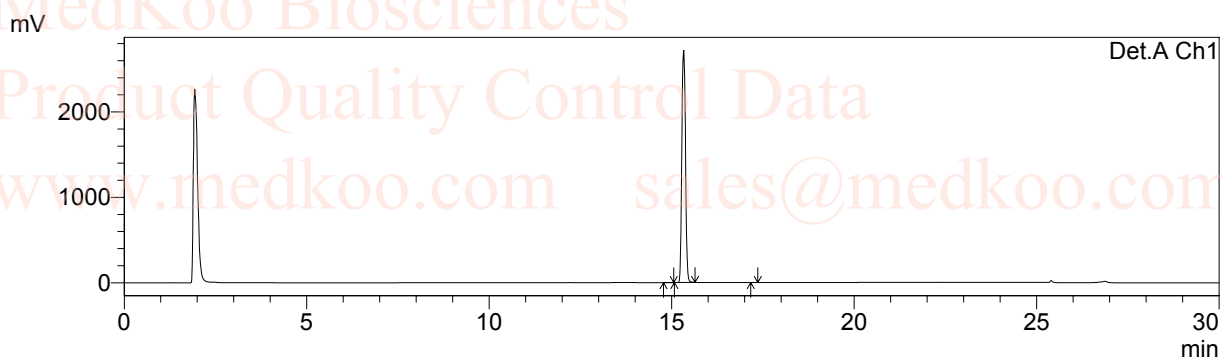


MedKoo Biosciences
Product Quality Control Data
www.medkoo.com sales@medkoo.com

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

Empagliflozin 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(10%B), 12min gradient (10%-50%B),5 min gradient(50%-95%B),then 3min (95%
 7min gradient(95%-10%B)
 Detector : UV
 Wavelength : 220/254 nm
 User name : 864070-44-0
 Notebook page :
 Sample description : 864070-44-0
 Injection Volume : 864070-44-0
 Data File Name : 864070-44-0.lcd
 Method File Name : 10-95-220-254.lcm



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

PeakTable

Detector A Ch1 220nm

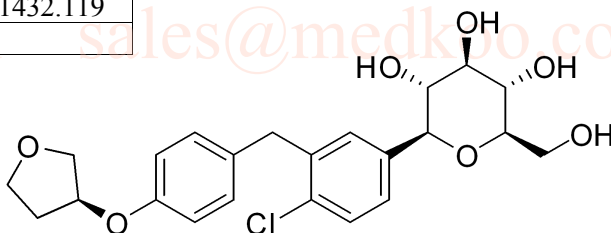
Peak#	Ret. Time	Area	Area %	Theoretical Plate#
1	14.946	6791	0.035	141678.224
2	15.327	19124920	99.931	103895.388
3	17.227	6478	0.034	181198.393
Total		19138189	100.000	

MedKoo Cat#: 314251
 Name: Empagliflozin
 CAS#: 864070-44-0
 Lot#: A8T08K29
 Chemical Formula: C23H27ClO7
 Exact Mass: 450.14453
 Molecular Weight: 450.91

PeakTable

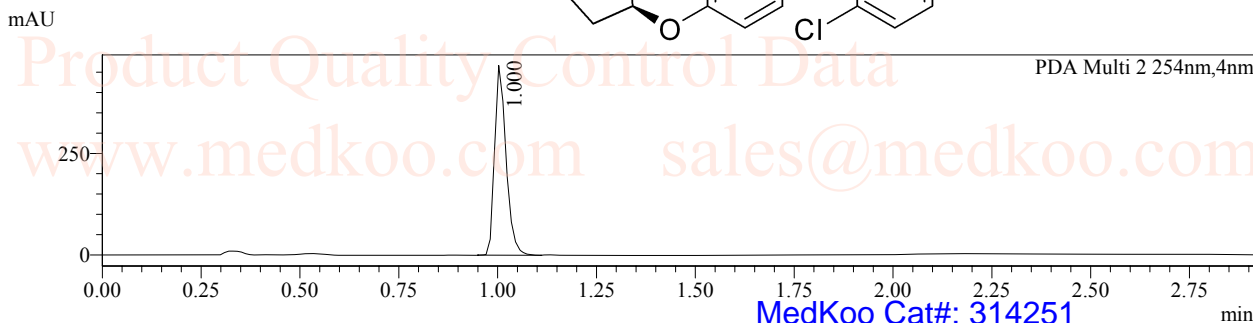
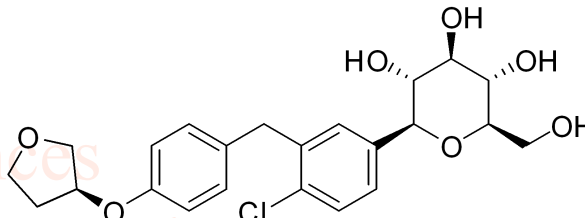
Detector A Ch2 254nm

Peak#	Ret. Time	Area	Area %	Theoretical Plate#
1	12.172	4193	0.352	79771.211
2	15.323	1186275	99.545	133397.533
3	17.396	1224	0.103	161432.119
Total		1191693	100.000	



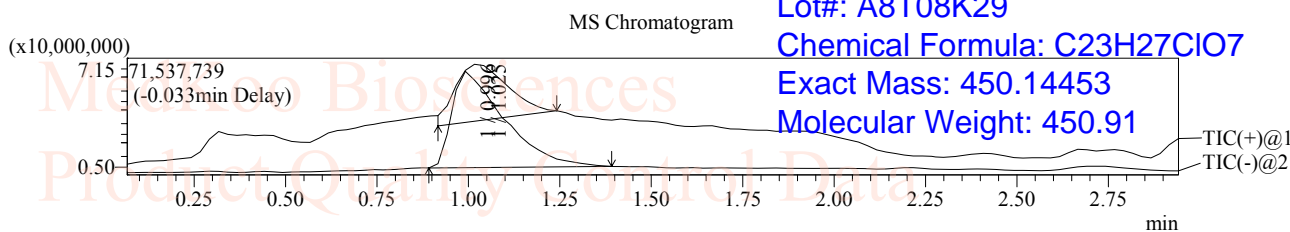
Empagliflozin MS Analysis

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 205nm
 Mass range : 100-1000
 Scan : Positive/Negative
 User Name : 864070-44-0
 Data Filename : 864070-44-0.lcd

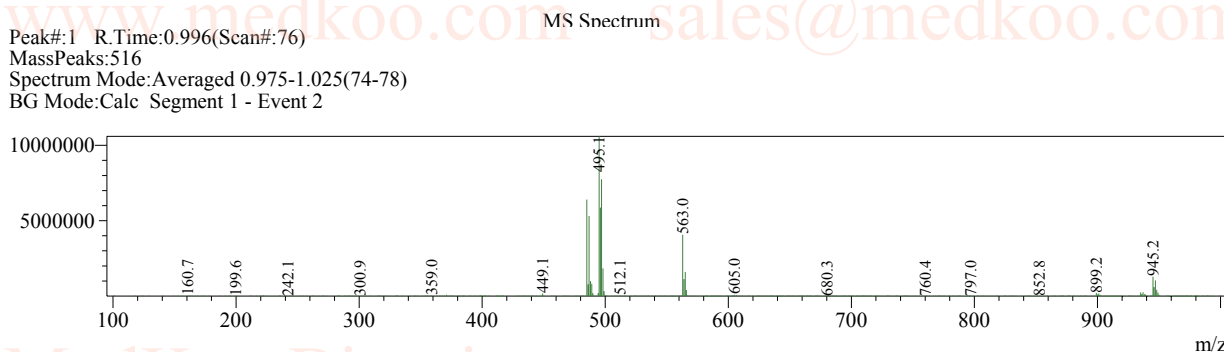


MedKoo Cat#: 314251
 Name: Empagliflozin
 CAS#: 864070-44-0
 Lot#: A8T08K29
 Chemical Formula: C23H27ClO7
 Exact Mass: 450.14453
 Molecular Weight: 450.91

<MS Chromatogram>



Peak#:1 R.Time:0.996(Scan#:76)
 MassPeaks:516
 Spectrum Mode:Averaged 0.975-1.025(74-78)
 BG Mode:Calc Segment 1 - Event 2



Peak#:1 R.Time:1.025(Scan#:77)
 MassPeaks:526
 Spectrum Mode:Averaged 0.992-1.042(75-79)
 BG Mode:Calc Segment 1 - Event 1

