Zidebactam - NMR analysis, solvent = DMSO-d6
Zidebactam NMR comparison:
Literature: Wockhardt Limited: A process for preparation of (2s, 5r)-7-oxo-6-sulphooxy-2-[(3r)-piperidine-3-carbonyl]-hydrazino carbonyl]-1,6-diaza-bicyclo [3.2.1]- octane. WO2014135931A1 (2014)

NMR: (DMSO-d6) = 9.97 (d, 2H), 8.32 (br s, 2H), 4.00 (br s, 1H), 3.81 (d, 1H), 3.10-3.22 (m, 3H), 2.97-3.02 (m, 2H), 2.86-2.91 (m, 1H), 2.65-2.66 (m, 1H), 1.97-2.03 (m, 1H), 1.57-1.88 (m, 7H).

Conclusion: MedKoo sample is consistent with the literature report.
Zidebactam - HPLC analysis

Acq. Operator : SYSTEM
Sample Operator : SYSTEM
Acq. Instrument : HPLC 23
Injection Date : 5/26/2017 5:03:47 PM
Location : Vial 1
Inj Volume : Manually
Method : C:\CHEM32\1\METHODS\HE_WATER.M
Last changed : 5/26/2017 5:02:36 PM by SYSTEM
(modified after loading)

Area Percent Report

Sorted By : Signal
Multiplier : 1.0000
Dilution : 1.0000
Sample Amount : 10.00000 [ng/ul] (not used in calc.)
Do not use Multiplier & Dilution Factor with ISTDs

Signal 1: DAD1 A, Sig=214,4 Ref=off

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<th>RetTime</th>
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<td>1726.07190</td>
<td>163.53322</td>
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Totals : 1726.07190 163.53322
Zidebactam - HPLC analysis

Summed Peaks Report

Signal 1: DAD1 A, Sig=214,4 Ref=off

Final Summed Peaks Report

Signal 1: DAD1 A, Sig=214,4 Ref=off

*** End of Report ***

MedKoo Cat#: 319537
Name: Zidebactam
CAS#: 1436861-97-0
Lot# A7N05N27
Chemical Formula: C13H21N5O7S
Exact Mass: 391.1162
Molecular Weight: 391.4
Zidebactam - MS analysis

==== Shimadzu LabSolutions Data Report ====

Line#: 1  R.Time: ---- (Scan#: ----)
MassPeaks: 21
RawMode: Averaged 0.223-0.277(68-84)  BasePeak: 392(3586525)
BG Mode: None  Segment 1 - Event 1

MedKoo Cat#: 319537
Name: Zidebactam
CAS#: 1436861-97-0
Lot#: A7N05N27
Chemical Formula: C13H21N5O7S
Exact Mass: 391.1162
Molecular Weight: 391.4