

Name: Budesonide Impurity 1
Lot#: GR-6-091
Test Date: 08/22/2019 (re-test date: 08/22/2024)
CAS No.: NA
MF: C₂₅H₃₂O₇
MW: 444.52
Appearance: White Solid
Purity: 97.2% by HPLC
¹H-NMR: Conforms (shows a trace of EtOAc)
MS-ESI (+) Conforms (shows peak at m/z=445.23 [M+H]⁺)

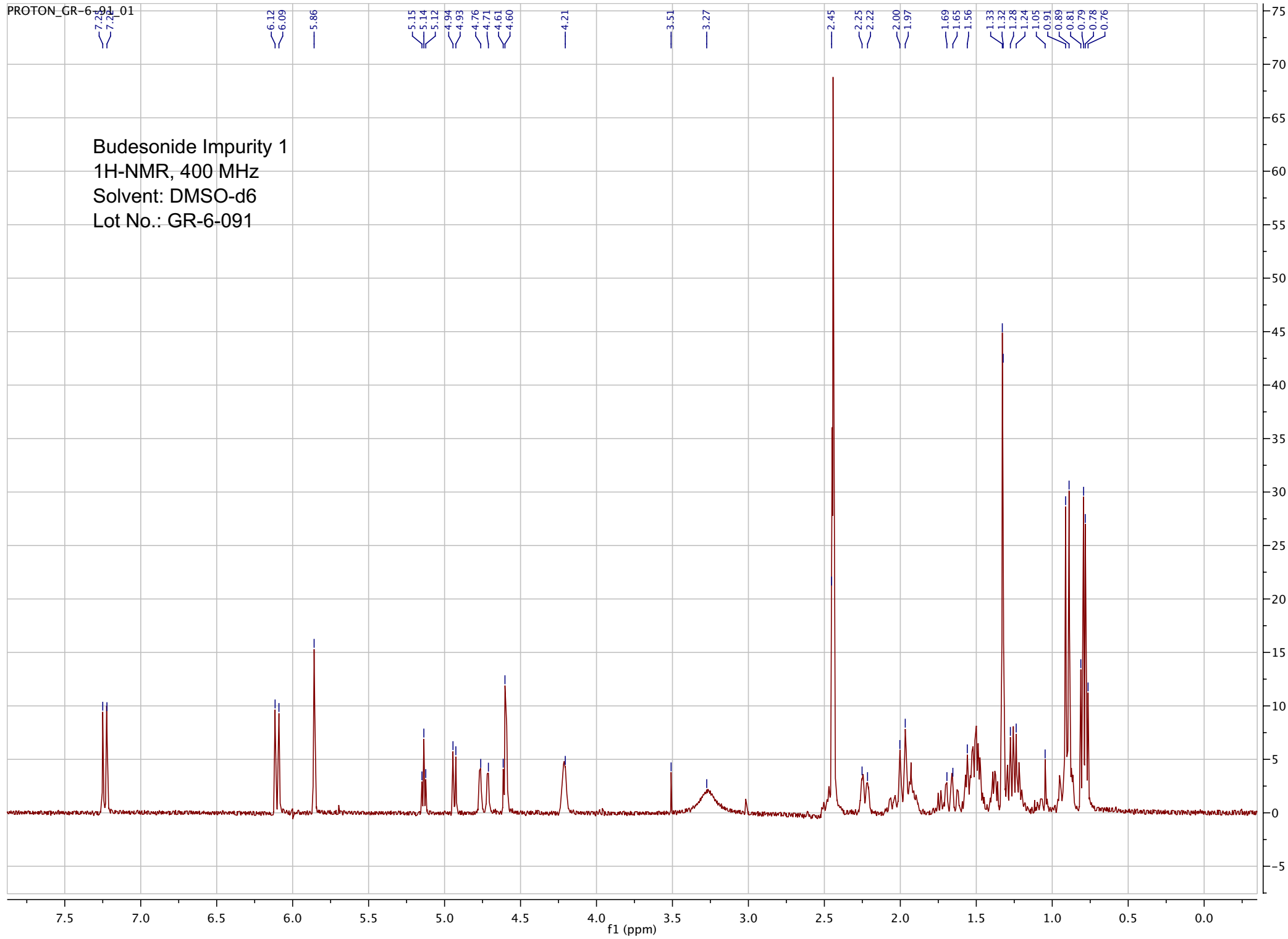
Approved by:

Date: 08/22/2019



Viorica Rusu, QC/QA Manager

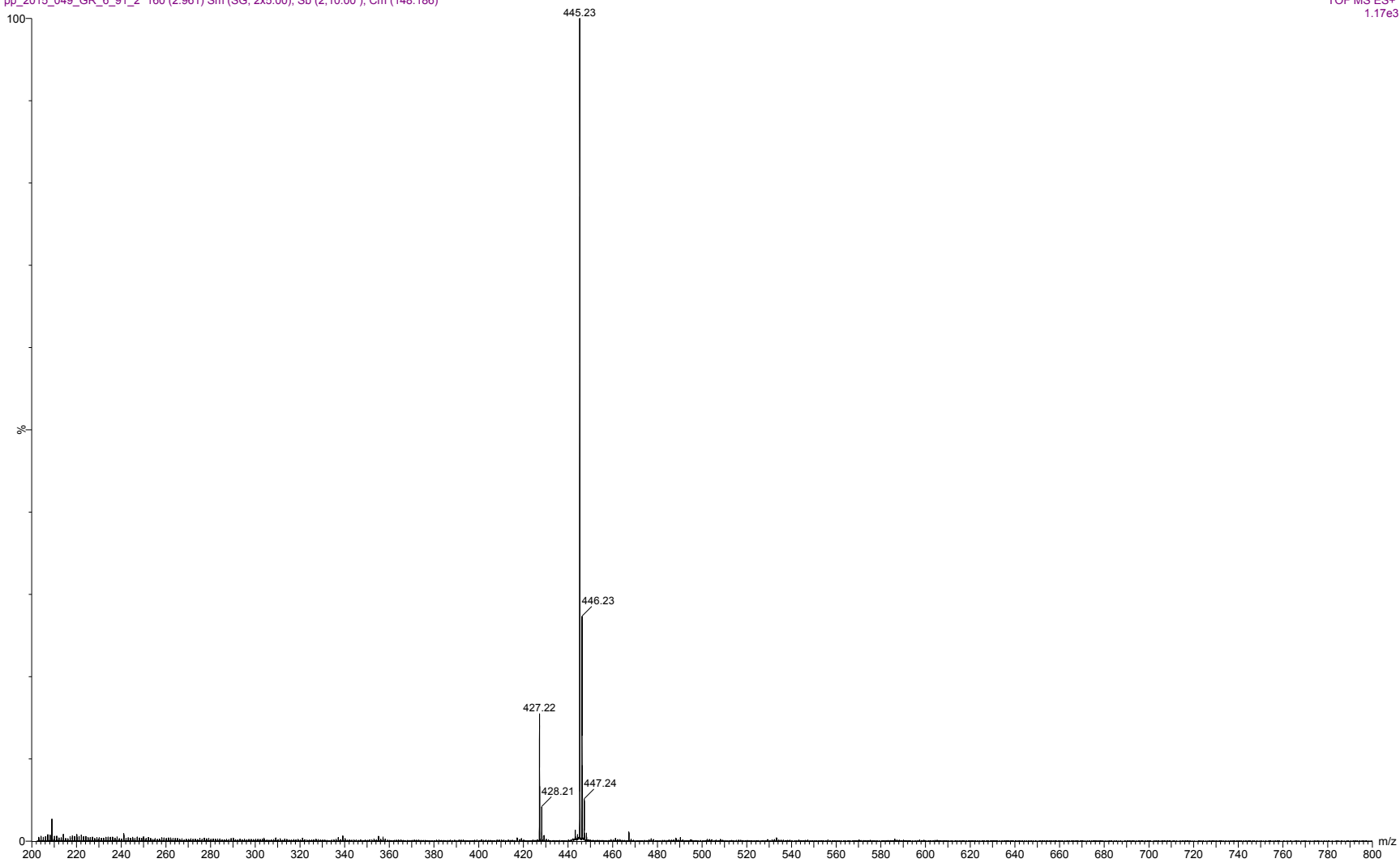
Budesonide Impurity 1
1H-NMR, 400 MHz
Solvent: DMSO-d6
Lot No.: GR-6-091



pp_2015_049_GR_6_91_2 160 (2.961) Sm (SG, 2x5.00); Sb (2,10.00); Cm (148:186)

7.0000000

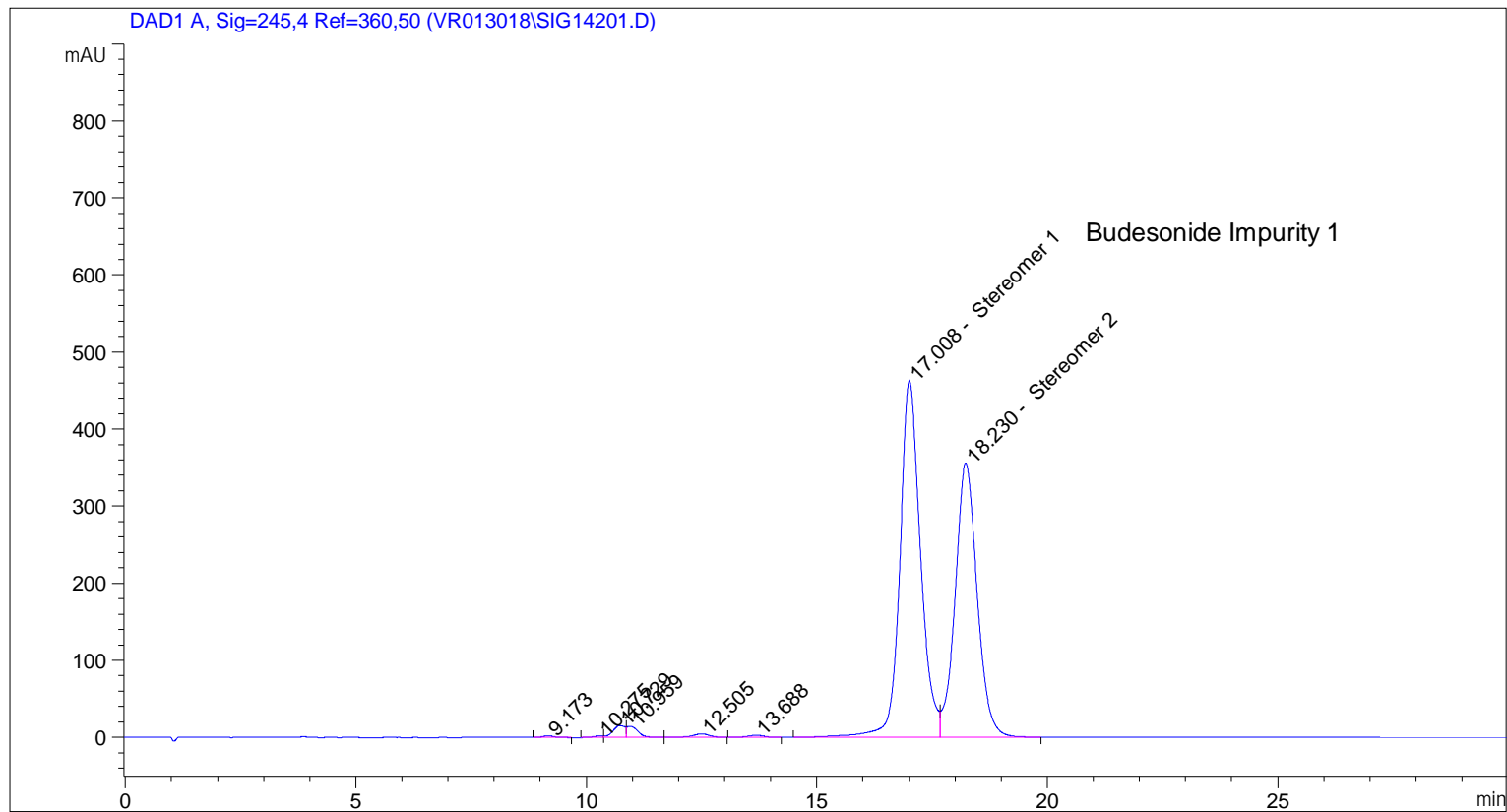
27-May-2015, 10:57:31
TOF MS ES+
1.17e3



Raw ESI-MS spectrum for sample GR-6-091. Shows monoisotopic [M+H]⁺ mass.

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Acq. Operator   : vrusu
Acq. Instrument : Instrument 1                Location : Vial 60
Injection Date  : 8/22/2018 9:43:14 AM
                                           Inj Volume : 35.0 µl
Acq. Method     : C:\CHEM32\1\METHODS\RR052515_091.M
Last changed    : 8/22/2018 9:39:26 AM by vrusu
Analysis Method : C:\CHEM32\1\METHODS\VR082218_091PM.M
Last changed    : 8/22/2018 10:21:24 AM by vrusu
  
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 Area Percent Report
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Sorted By           :      Signal
Calib. Data Modified :      Wednesday, August 22, 2018 10:21:14 AM
Multiplier:         :      1.0000
Dilution:           :      1.0000
Use Multiplier & Dilution Factor with ISTDs
  
```

Signal 1: DAD1 A, Sig=245,4 Ref=360,50

Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Area %	Name
1	9.173	BB	0.2459	33.64887	0.1248	?
2	10.275	BV	0.2211	25.72949	0.0954	?
3	10.729	VV	0.2708	280.99890	1.0418	?
4	10.959	VB	0.2492	237.03999	0.8788	?
5	12.505	BB	0.3641	111.18450	0.4122	?
6	13.688	BB	0.3443	60.95762	0.2260	?
7	17.008	BV	0.4657	1.44196e4	53.4615	Stereomer 1
8	18.230	VV	0.4988	1.18028e4	43.7595	Stereomer 2

Sample Name: GR-6-091

Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Area %	Name
Totals :				2.69720e4		

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*** End of Report ***