

Name:	Gatifloxacin Dimer 1 (7,7'-(2-Methyl-1,4-piperazinediyl)bis[1-cyclopropyl-6-fluoro-1,4-dihydro-8-methoxy-4-oxo-3-quinolinecarboxylic acid])
Lot#:	GR-14-115
Test Date:	04/12/2021 (re-test date: 04/12/2026)
CAS No.:	1497338-46-1
MF:	C ₃₃ H ₃₂ F ₂ N ₄ O ₈
MW:	650.64
Appearance:	Pale yellow solid
Purity:	97.1% by HPLC
¹H-NMR:	NA (sample is not soluble in common NMR solvents)
MS-ESI (+)	Conforms (shows peak at m/z = 651.18 [M+H] ⁺)
Storage	Store at 0-5°C in a dry place away from direct sunlight

Approved by:

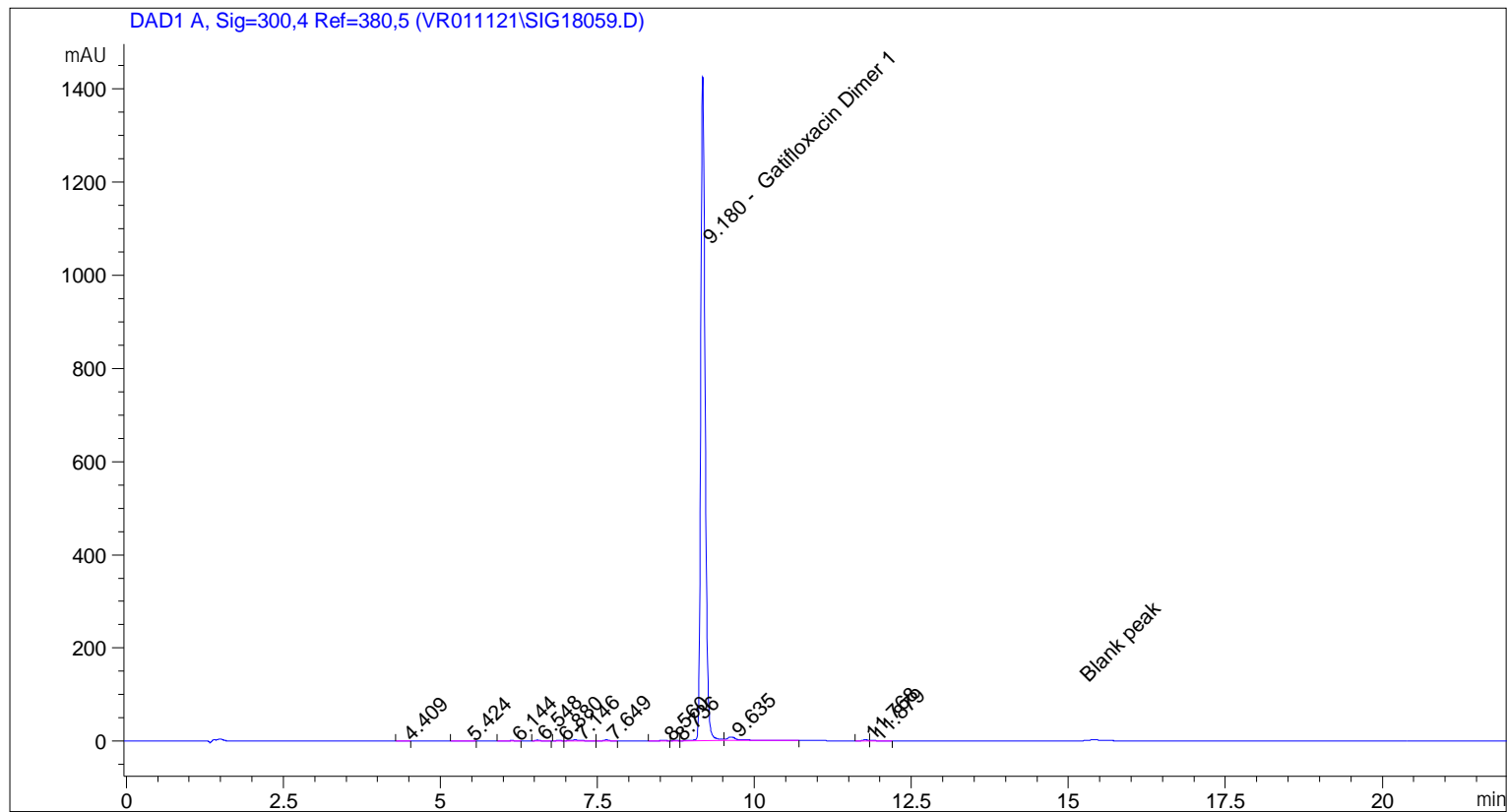
Date: 04/15/2021



Viorica Rusu, QC/QA Manager

```

=====
Acq. Operator   : vrusu
Acq. Instrument : Instrument 1                Location : Vial 74
Injection Date  : 4/12/2021 10:47:19 AM
                                           Inj Volume : 10.0 µl
Acq. Method     : C:\CHEM32\1\METHODS\VR041221_115.M
Last changed    : 4/12/2021 10:46:01 AM by vrusu
Analysis Method : C:\CHEM32\1\METHODS\VR041221_115PM.M
Last changed    : 4/12/2021 12:58:29 PM by vrusu
  
```



=====
 Area Percent Report
 =====

```

Sorted By      :      Signal
Calib. Data Modified :      4/12/2021 12:57:12 PM
Multiplier:    :      1.0000
Dilution:      :      1.0000
Use Multiplier & Dilution Factor with ISTDs
  
```

Signal 1: DAD1 A, Sig=300,4 Ref=380,5

Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Area %	Name
1	4.409	BB	0.0789	1.81418	0.0249	?
2	5.424	BB	0.1537	5.89605	0.0811	?
3	6.144	BB	0.1043	6.82907	0.0939	?
4	6.548	BB	0.0749	9.50546	0.1307	?
5	6.880	BV	0.0757	8.80724	0.1211	?
6	7.146	VB	0.1615	25.01829	0.3440	?
7	7.649	BB	0.0812	11.73208	0.1613	?
8	8.560	BB	0.1466	8.09855	0.1114	?

Sample Name: GR-14-115

Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Area %	Name
9	8.736	BB	0.0671	3.58196	0.0493	?
10	9.180	BV	0.0775	7059.18896	97.0678	Gatifloxacin Dimer 1
11	9.635	VB	0.1976	111.80361	1.5374	?
12	11.768	BV	0.0782	11.83583	0.1627	?
13	11.879	VB	0.0812	8.31627	0.1144	?

Totals : 7272.42755

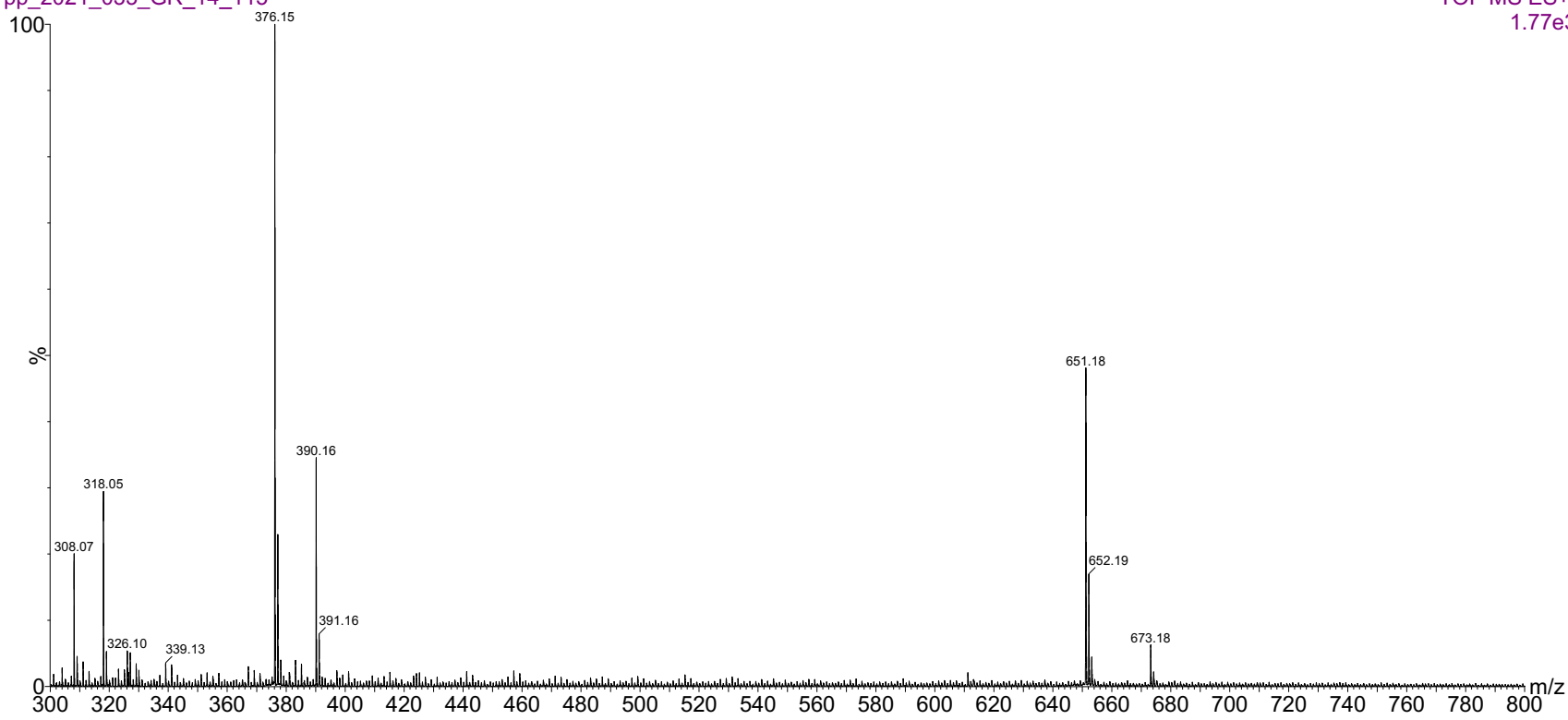
=====
*** End of Report ***

11:22:35, 15-Apr-2021

TOF MS ES+

1.77e3

pp_2021_033_GR_14_115



ESI-MS spectrum for sample GR-14-115. Shows monoisotopic $[M+H]^+$ mass.