

Name:	Tenofovir Alafenamide-D5
Lot#:	GR-19-235
Test Date:	03/26/2025 (re-test date: 03/26/2030)
CAS No.:	1948248-01-8, 379270-37-8 (unlabeled)
MF:	C ₂₁ H ₂₄ D ₅ N ₆ O ₅ P
MW:	481.5
Appearance:	White solid
Purity:	99.9% by HPLC (average of two sample preparations); 99% atom D
¹H-NMR:	Conforms
MS-ESI (+)	Conforms (shows peak at m/z = 482.23 [M+H] ⁺)
Storage	Store at -18°C in a dry place away from direct sunlight

Approved by:

Date: 03/27/2025



Viorica Rusu, QC/QA Manager

GR-19-235

1h

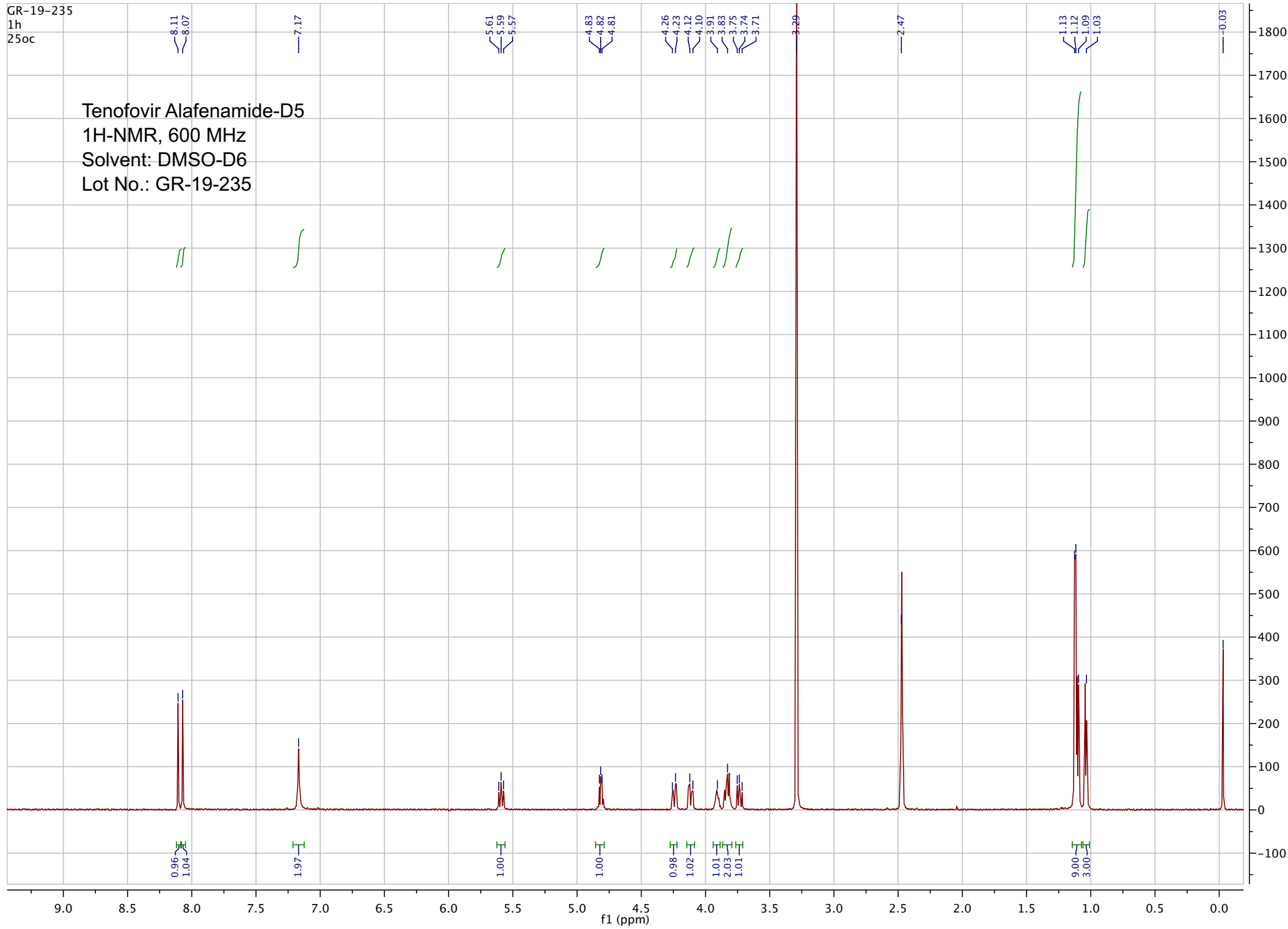
25oc

Tenofovir Alafenamide-D5

1H-NMR, 600 MHz

Solvent: DMSO-D6

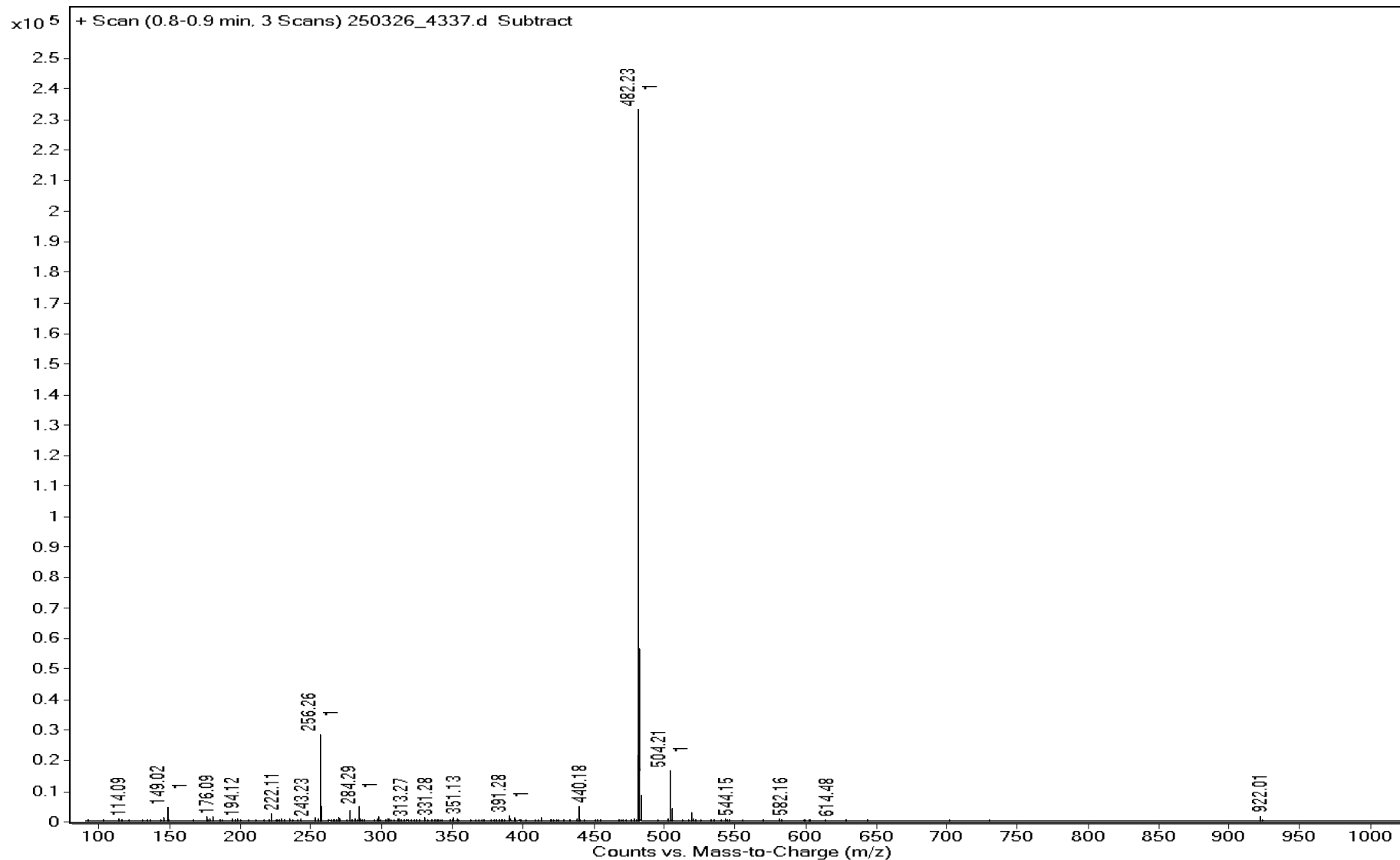
Lot No.: GR-19-235



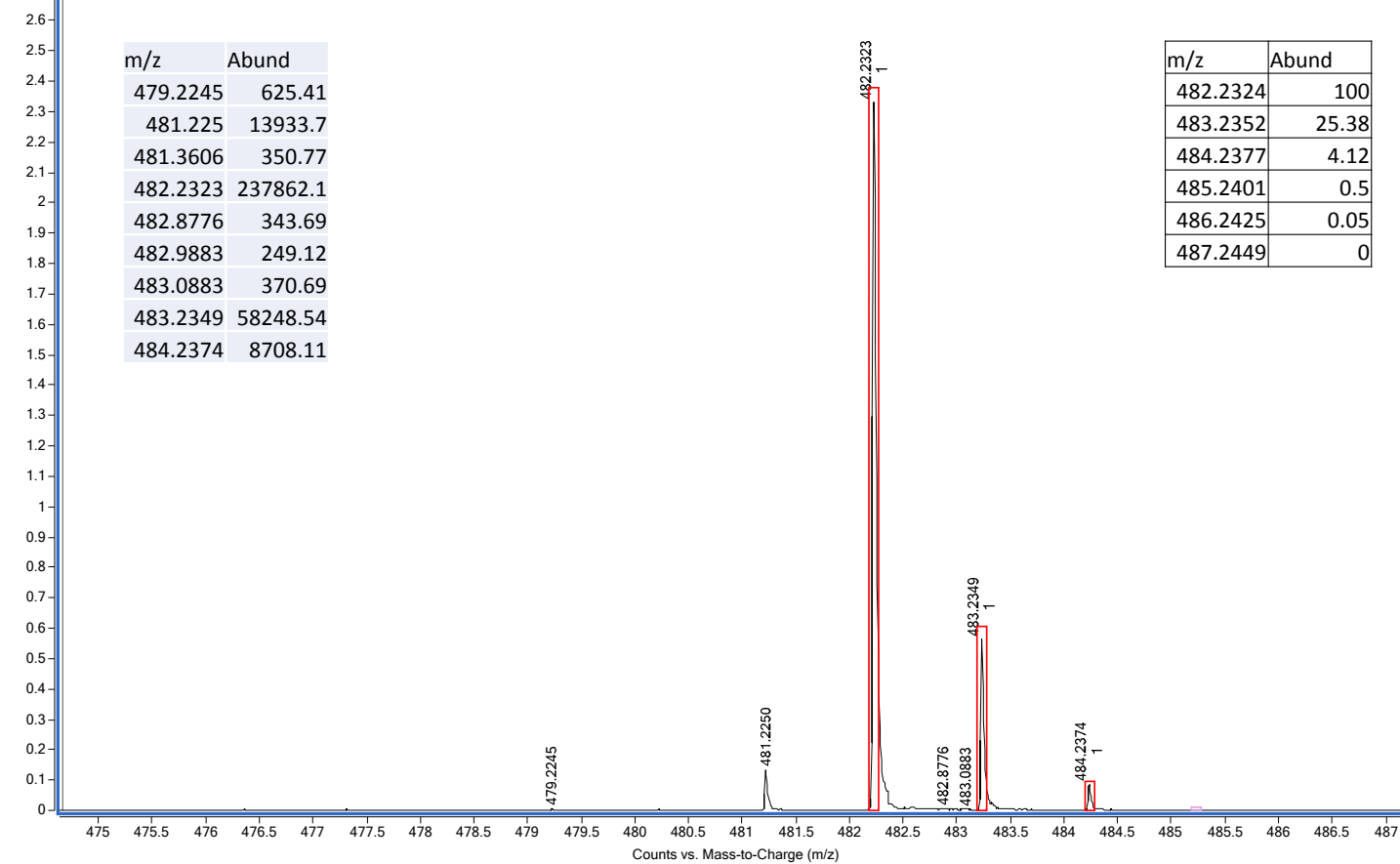
Sample Name GR-19-235
DA Method AIMS_Accurate_Mass.m
Comment ESI+

Data File 250326_4337.d
Instrument Agilent 6538 UHD

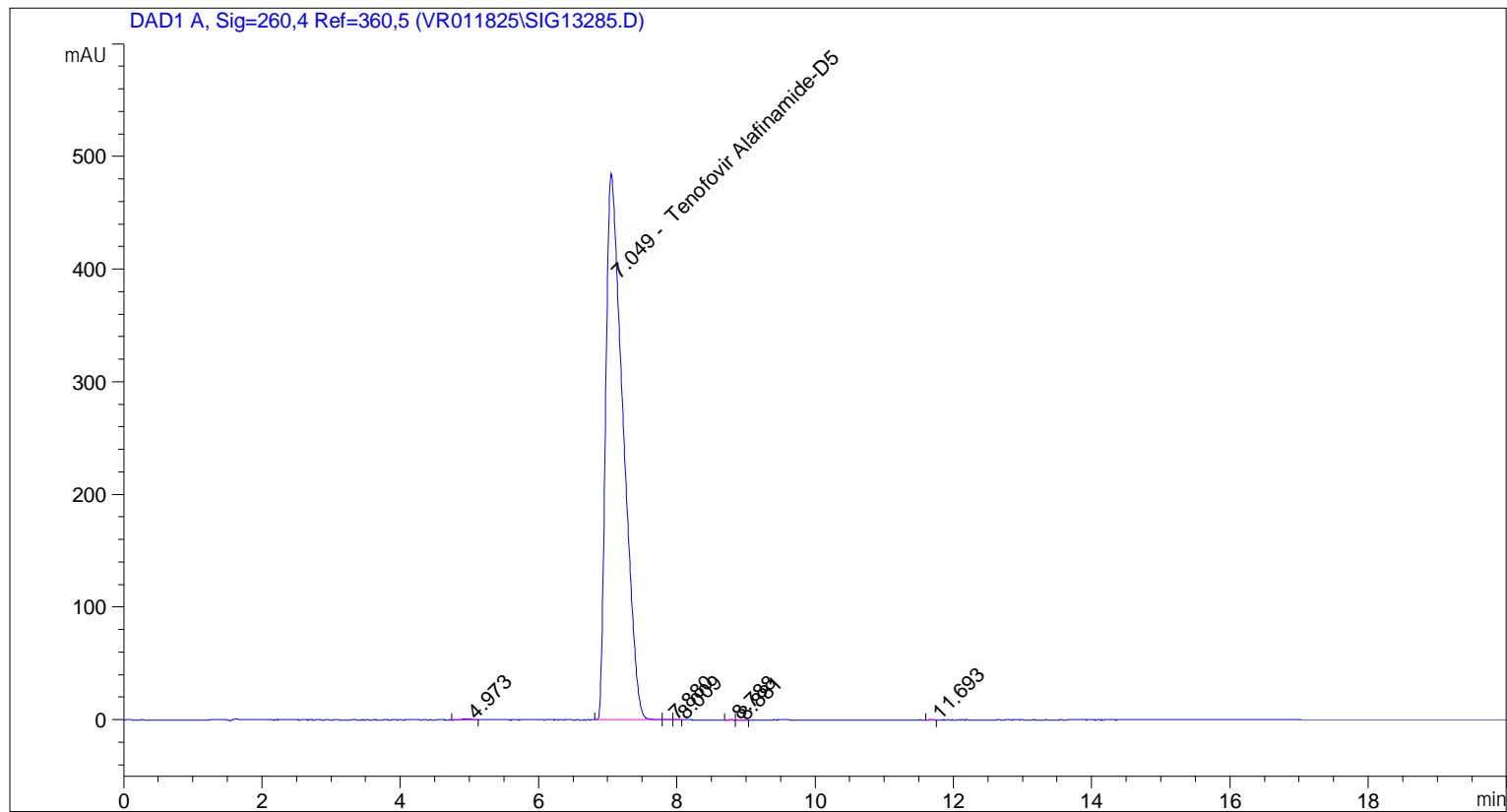
Acq Method HRMS.m
Acq Date, Time 26/03/2025 11:32:41 AM



C21 H24 D5 N6 O5 P: + Scan (0.8-0.9 min, 3 Scans) 250326_4337.d Subtract



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Acq. Operator : vrusu
Acq. Instrument : Instrument 1 Location : Vial 72
Injection Date : 3/26/2025 2:59:38 PM Inj Volume : 10.0 µl
Acq. Method : C:\CHEM32\1\METHODS\VR032625_235.M
Last changed : 3/26/2025 2:58:35 PM by vrusu
Analysis Method : C:\CHEM32\1\METHODS\VR032625_235PM.M
Last changed : 3/26/2025 3:46:09 PM by vrusu



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Area Percent Report
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Sorted By : Signal
Calib. Data Modified : 3/26/2025 3:42:02 PM
Multiplier: : 1.0000
Dilution: : 1.0000
Use Multiplier & Dilution Factor with ISTDs

Signal 1: DAD1 A, Sig=260,4 Ref=360,5

Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Area %	Name
1	4.973	BB	0.1629	8.97202	0.1065	?
2	7.049	BV	0.2583	8407.17578	99.8062	Tenofovir Alafinamide-D5
3	7.880	VV	0.0856	2.30898	0.0274	?
4	8.009	VB	0.0534	7.52597e-1	8.934e-3	?
5	8.788	BV	0.0797	1.90572	0.0226	?
6	8.881	VB	0.0679	1.37406	0.0163	?
7	11.693	BB	0.0571	1.01222	0.0120	?

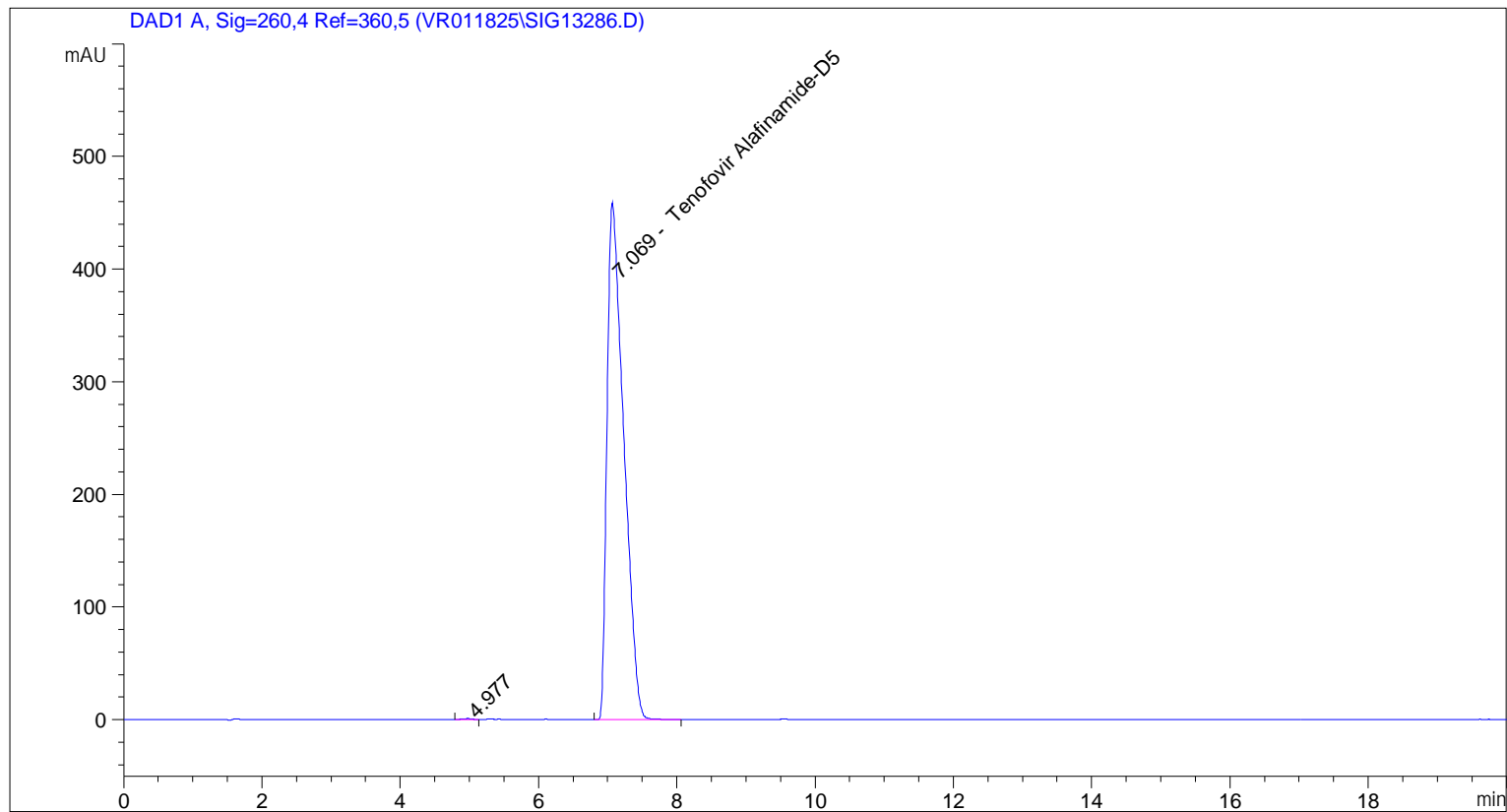
Sample Name: GR-19-235

Totals : 8423.50139

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*** End of Report ***

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Acq. Operator : vrusu
Acq. Instrument : Instrument 1 Location : Vial 73
Injection Date : 3/26/2025 3:22:47 PM Inj Volume : 10.0 µl
Acq. Method : C:\CHEM32\1\METHODS\VR032625_235.M
Last changed : 3/26/2025 3:21:42 PM by vrusu
Analysis Method : C:\CHEM32\1\METHODS\VR032625_235PM.M
Last changed : 3/26/2025 3:46:09 PM by vrusu



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Area Percent Report
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Sorted By : Signal
Calib. Data Modified : 3/26/2025 3:42:02 PM
Multiplier: : 1.0000
Dilution: : 1.0000
Use Multiplier & Dilution Factor with ISTDs

Signal 1: DAD1 A, Sig=260,4 Ref=360,5

Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Area %	Name
1	4.977	BB	0.1330	7.82824	0.1019	?
2	7.069	BB	0.2493	7677.11523	99.8981	Tenofovir Alafinamide-D5

Totals : 7684.94347

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*** End of Report ***