Supporting Information

Synthesis and biological evaluation of novel flexible nucleoside analogues that inhibit flavivirus replication *in vitro*

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Supplemental data:

^{1}H NMR of compound **1**

^{13}C NMR of compound **1**

^{1}H NMR of compound **2**

^{13}C NMR of compound **2**

^{1}H NMR of compound **1-Ac**

^{13}C NMR of compound **1-Ac**

^{1}H NMR of compound **2-Ac**

^{13}C NMR of compound **2-Ac**

^{1}H NMR of compound **1-MG**

^{13}C NMR of compound **1-MG**

^{31}P NMR of compound **1-MG**

^{1}H NMR of compound **2-MG**

^{13}C NMR of compound **2-MG**

^{1}H NMR of compound **1-TP**

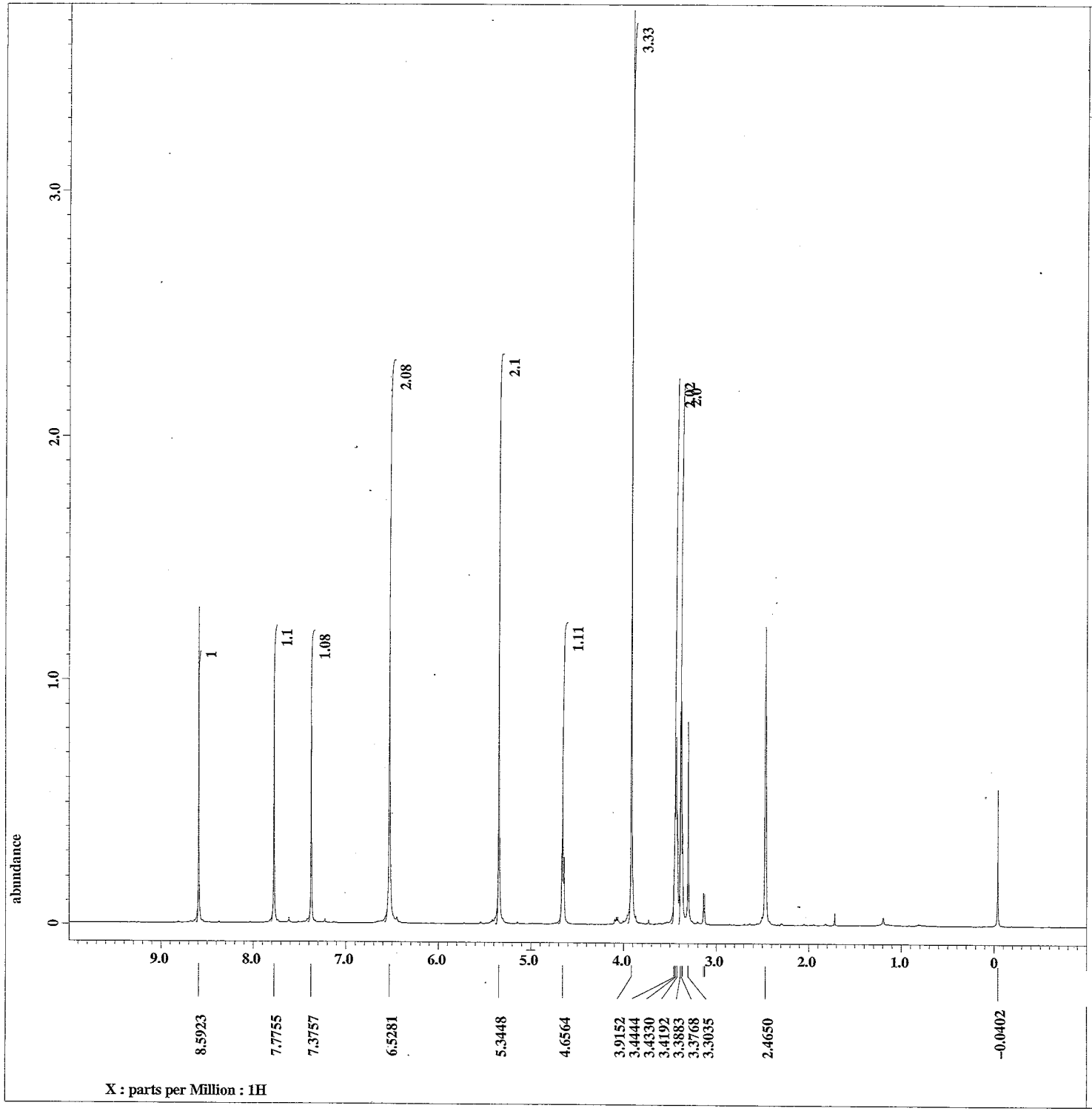
^{31}P NMR of compound **1-TP**

^{1}H NMR of compound **2-TP**

^{13}C NMR of compound **1-TP**

^{31}P NMR of compound **2-TP**

ESI+ Mass spec of compound **11**



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Author	= Seley
Experiment	= single_pulse.ex2
Sample_id	= S#405935
Solvent	= DMSO-D6
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Revision_time	= 19-JUN-2020 11:25:22
Current_time	= 19-JUN-2020 11:25:33
Comment	= single_pulse
Data_format	= 1D COMPLEX
Dim_size	= 13107
Dim_title	= 1H
Dim_units	= [ppm]
Dimensions	= X
Site	= ECX 400
Spectrometer	= DELTA2_NMR
Field_strength	= 9.389766[T] (400[MHz]
X_acq_duration	= 2.18365952[s]
X_domain	= 1H
X_freq	= 399.78219838[MHz]
X_offset	= 5[ppm]
X_points	= 16384
X_prescans	= 1
X_resolution	= 0.45794685[Hz]
X_sweep	= 7.5030012[kHz]
Irr_domain	= 1H
Irr_freq	= 399.78219838[MHz]
Irr_offset	= 5[ppm]
Tri_domain	= 1H
Tri_freq	= 399.78219838[MHz]
Tri_offset	= 5[ppm]
Clipped	= FALSE
Mod_return	= 1
Scans	= 16
Total_scans	= 16
X_90_width	= 13.5[us]
X_acq_time	= 2.18365952[s]
X_angle	= 45[deg]
X_atn	= 3[dB]
X_pulse	= 6.75[us]
Irr_mode	= Off
Tri_mode	= Off
Dante_presat	= FALSE
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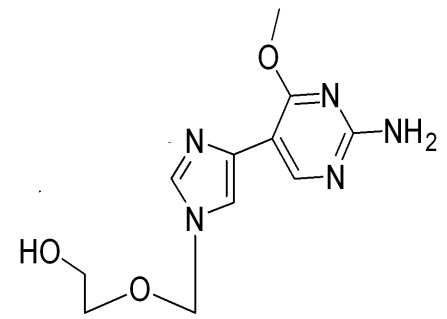
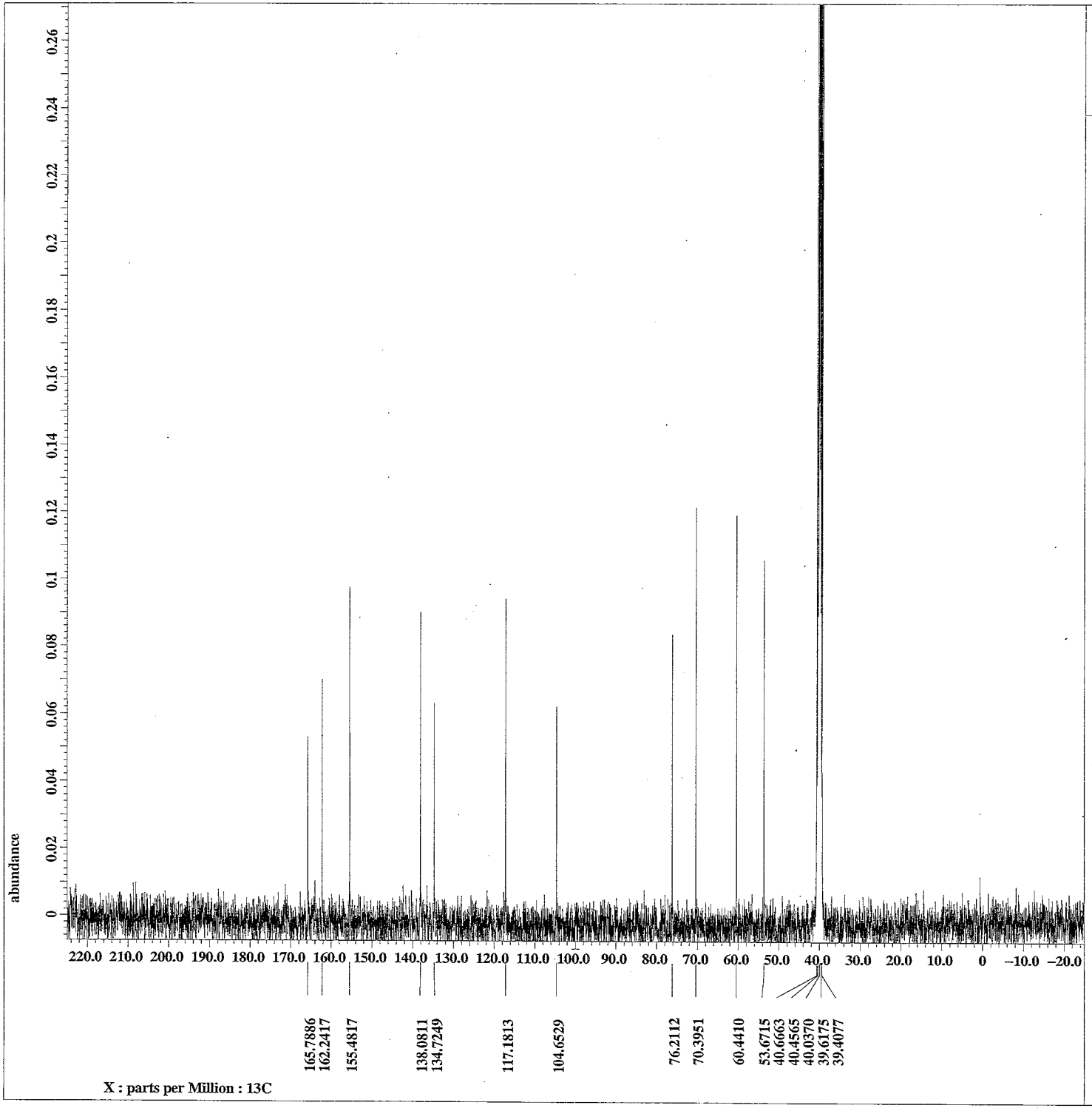
Repetition_time	= 7.18365952[s]
Temp_get	= 22.4[dC]





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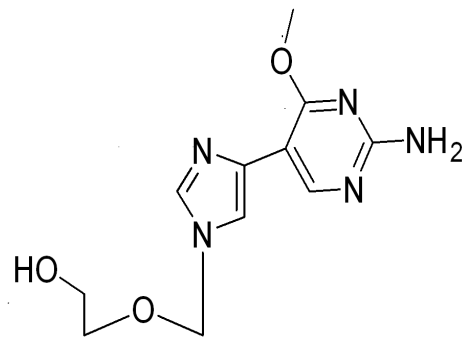
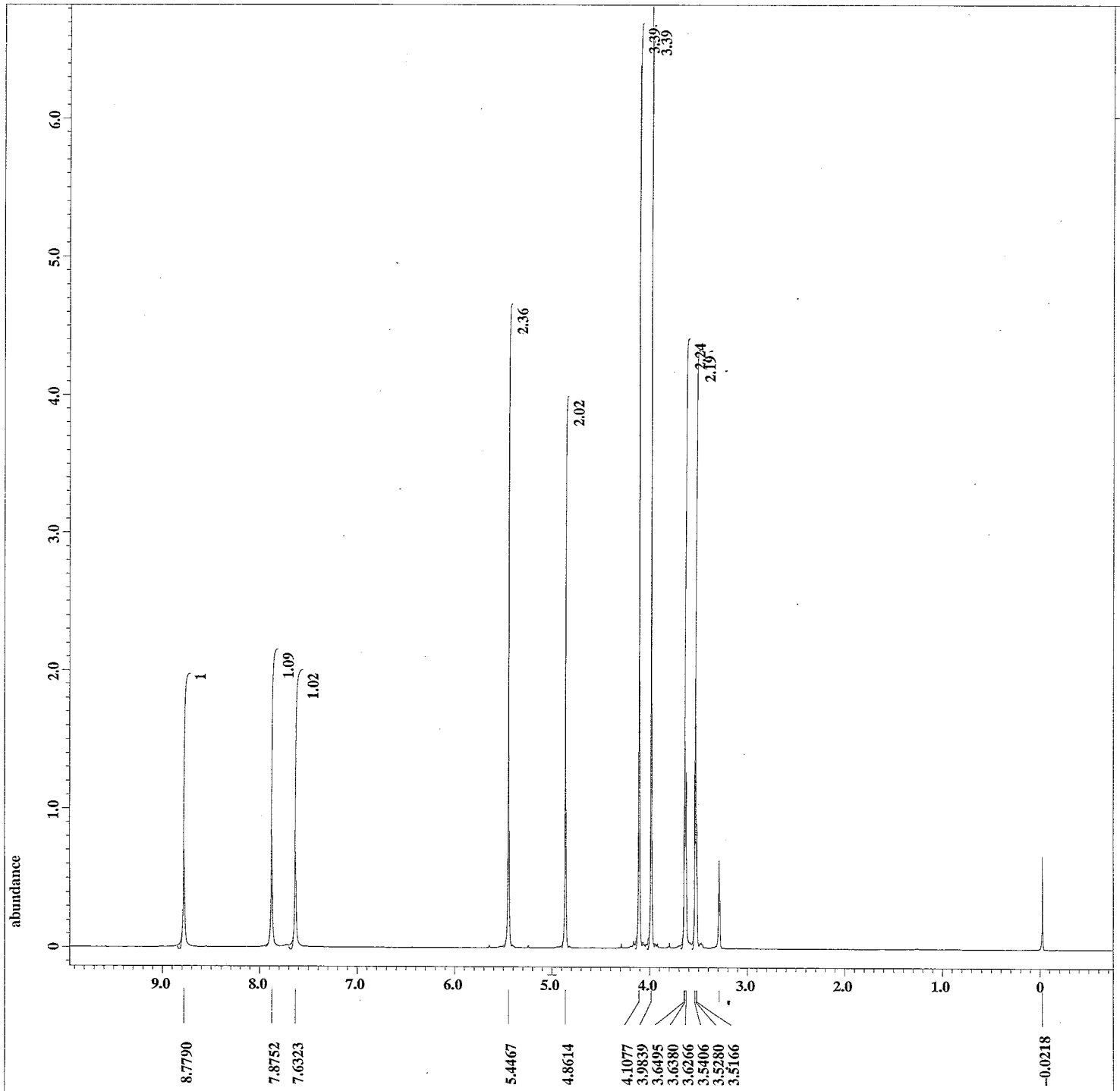
Filename	= HP083-5.jdf
Author	= Seley
Experiment	= single_pulse_dec
Sample_id	= S#409376
Solvent	= DMSO-D6
Creation_time	= 19-JUN-2020 11:35:12
Revision_time	= 19-JUN-2020 11:49:07
Current_time	= 19-JUN-2020 11:49:30
Comment	= single pulse decouple
Data_format	= 1D COMPLEX
Dim_size	= 26214
Dim_title	= 13C
Dim_units	= [ppm]
Dimensions	= X
Site	= ECX 400
Spectrometer	= DELTA2_NMR
Field_strength	= 9.389766[T] (400[MHz]
X_acq_duration	= 1.04333312[s]
X_domain	= 13C
X_freq	= 100.52530333[MHz]
X_offset	= 100[ppm]
X_points	= 32768
X_prescans	= 4
X_resolution	= 0.95846665[Hz]
X_sweep	= 31.40703518[kHz]
Irr_domain	= 1H
Irr_freq	= 399.78219838[MHz]
Irr_offset	= 5[ppm]
Clipped	= TRUE
Mod_return	= 1
Scans	= 462
Total_scans	= 462
X_90_width	= 7[us]
X_acq_time	= 1.04333312[s]
X_angle	= 30[deg]
X_atn	= 6[dB]
X_pulse	= 2.33333333[us]
Irr_atn_dec	= 21.1[dB]
Irr_atn_noe	= 21.1[dB]
Irr_noise	= WALTZ
Decoupling	= TRUE
Initial_wait	= 1[s]
Noe	= TRUE
Noe_time	= 2[s]
Recvr_gain	= 60
Relaxation_delay	= 2[s]
Repetition_time	= 3.04333312[s]
Temp_get	= 22.6[dC]





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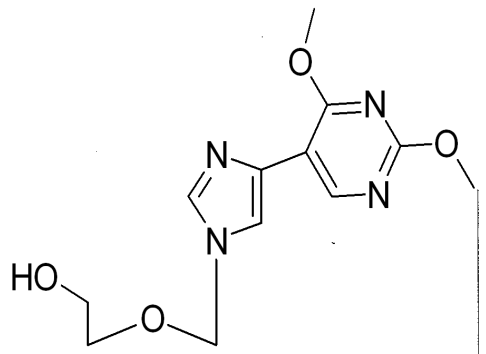
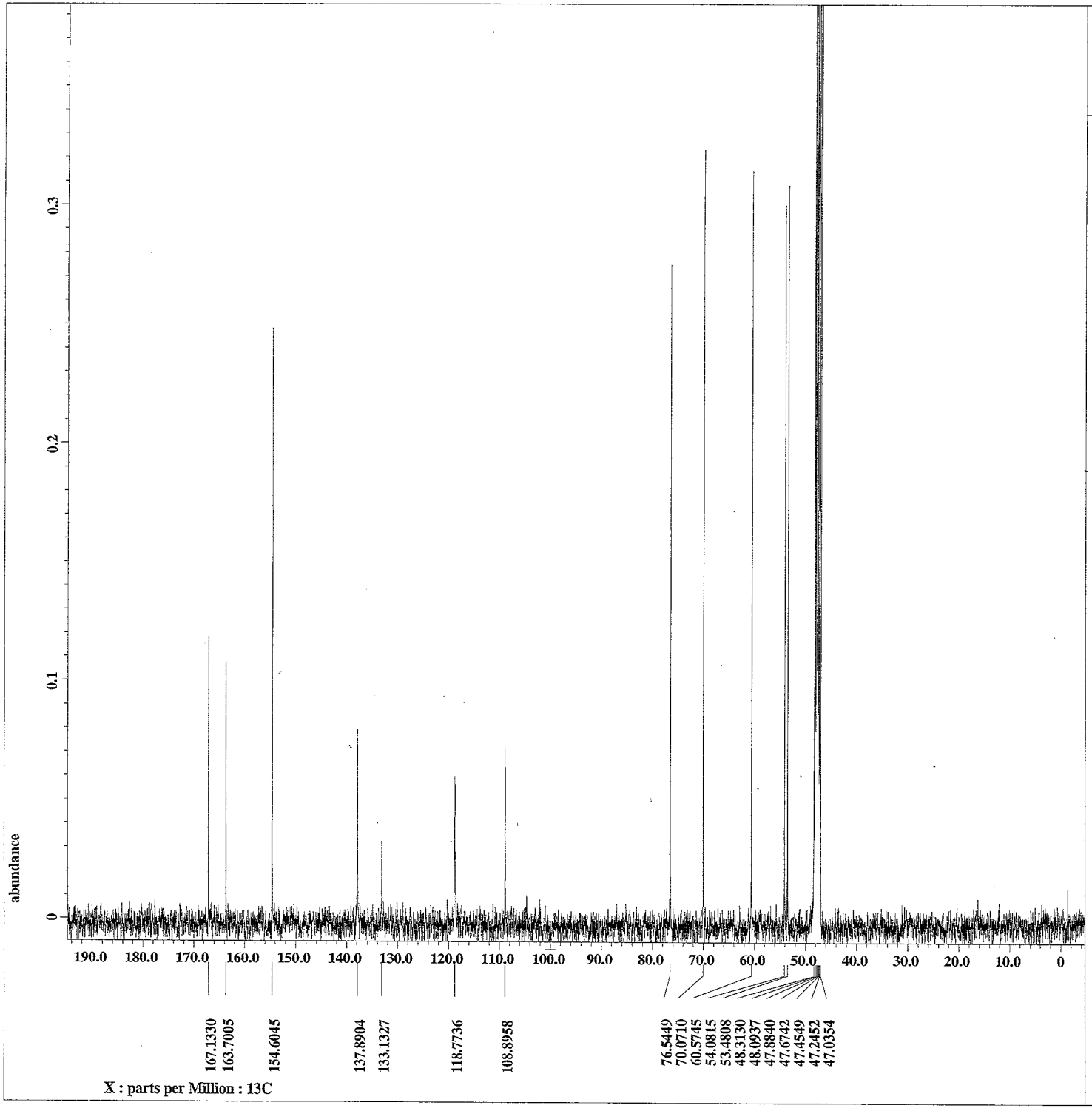
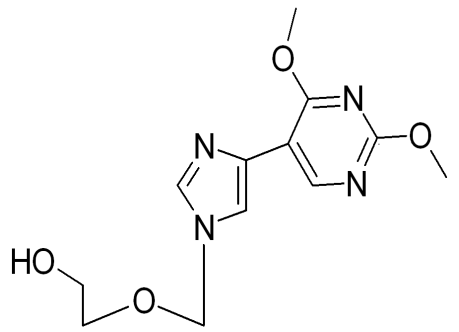
Filename	= HP100-3.jdf
Author	= Seley
Experiment	= single_pulse.ex2
Sample_id	= S#359034
Solvent	= METHANOL-D3
Creation_time	= 19-JUN-2020 09:49:45
Revision_time	= 19-JUN-2020 10:10:01
Current_time	= 19-JUN-2020 10:10:11
Comment	= single_pulse
Data_format	= 1D COMPLEX
Dim_size	= 13107
Dim_title	= 1H
Dim_units	= [ppm]
Dimensions	= X
Site	= ECX 400
Spectrometer	= DELTA2_NMR
Field_strength	= 9.389766[T] (400[MHz]
X_acq_duration	= 2.18365952[s]
X_domain	= 1H
X_freq	= 399.78219838[MHz]
X_offset	= 5[ppm]
X_points	= 16384
X_prescans	= 1
X_resolution	= 0.45794685[Hz]
X_sweep	= 7.5030012[kHz]
Irr_domain	= 1H
Irr_freq	= 399.78219838[MHz]
Irr_offset	= 5[ppm]
Tri_domain	= 1H
Tri_freq	= 399.78219838[MHz]
Tri_offset	= 5[ppm]
Clipped	= FALSE
Mod_return	= 1
Scans	= 16
Total_scans	= 16
X_90_width	= 13.5[us]
X_acq_time	= 2.18365952[s]
X_angle	= 45[deg]
X_atn	= 3[dB]
X_pulse	= 6.75[us]
Irr_mode	= Off
Tri_mode	= Off
Dante_presat	= FALSE
Initial_wait	= 1[s]
Recvr_gain	= 38
Relaxation_delay	= 5[s]
Repetition_time	= 7.18365952[s]
Temp_get	= 22.5[dC]

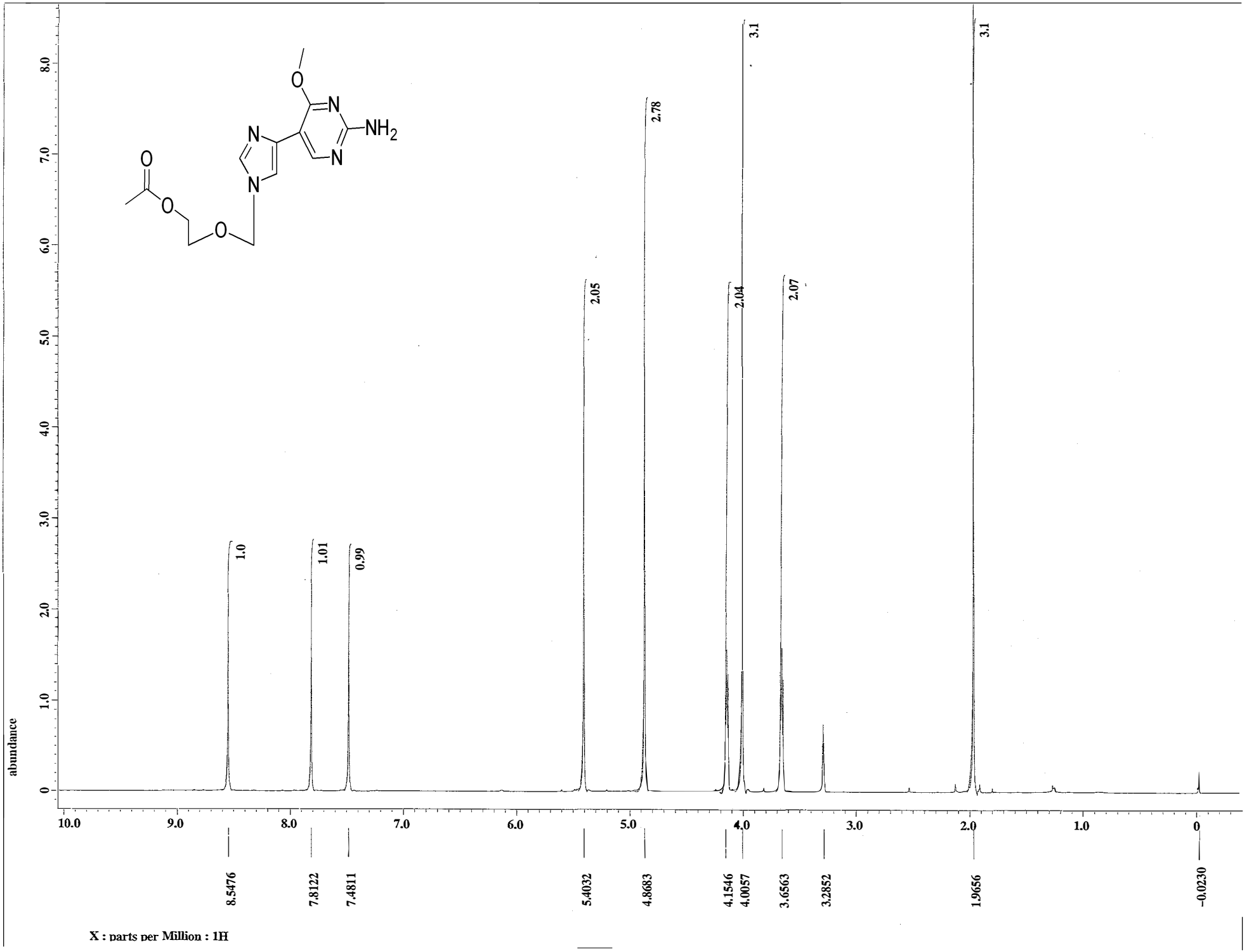


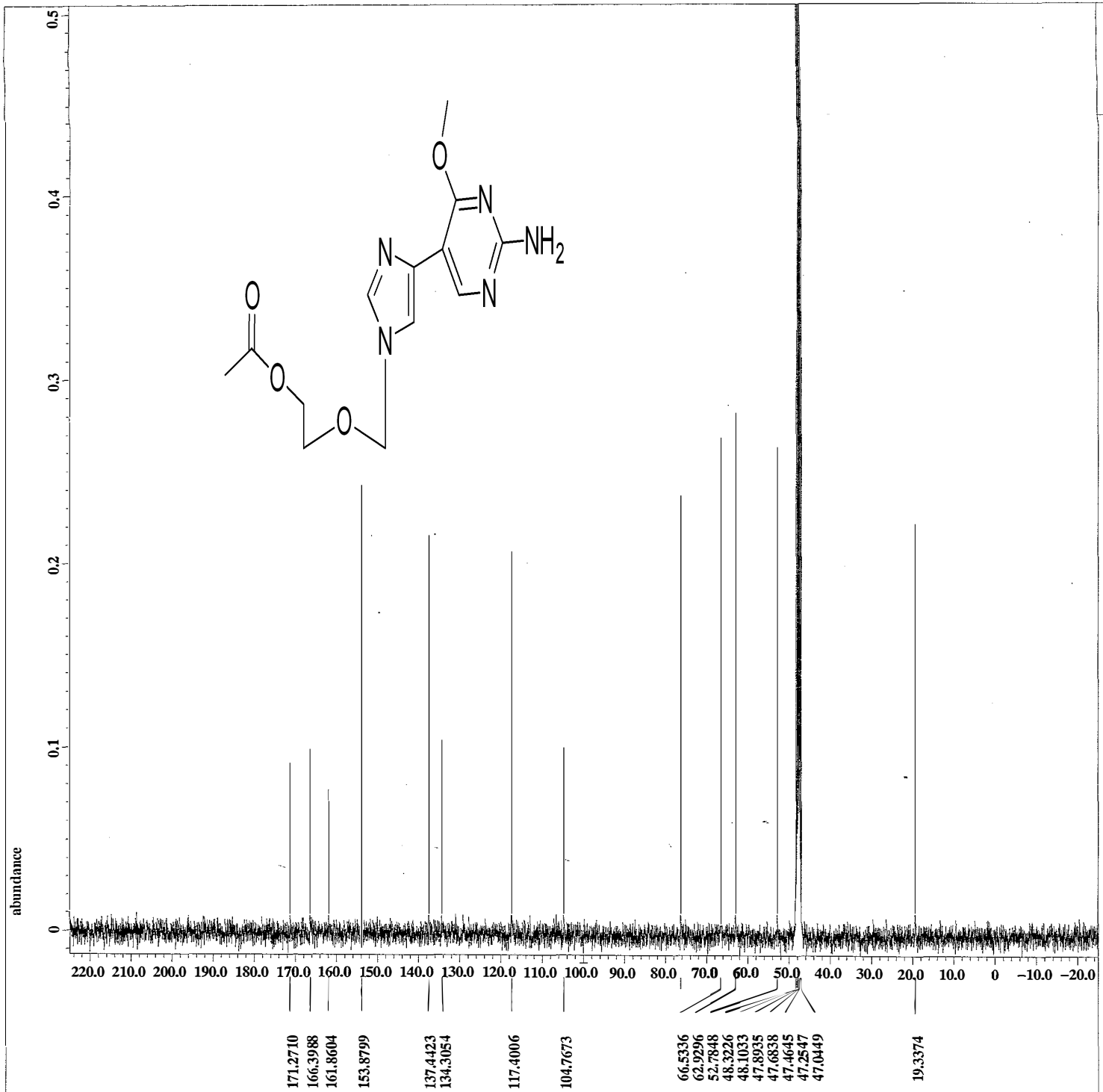


JEOL

Filename	= HP100-4.jdf
Author	= Seley
Experiment	= single_pulse_dec
Sample_id	= S#361903
Solvent	= METHANOL-D3
Creation_time	= 19-JUN-2020 10:16:06
Revision_time	= 19-JUN-2020 10:33:18
Current_time	= 19-JUN-2020 10:33:37
Comment	= single pulse decouple
Data_format	= 1D COMPLEX
Dim_size	= 26214
Dim_title	= 13C
Dim_units	= [ppm]
Dimensions	= X
Site	= ECX 400
Spectrometer	= DELTA2_NMR
Field_strength	= 9.389766[T] (400[MHz]
X_acq_duration	= 1.04333312[s]
X_domain	= 13C
X_freq	= 100.52530333[MHz]
X_offset	= 100[ppm]
X_points	= 32768
X_prescans	= 4
X_resolution	= 0.95846665[Hz]
X_sweep	= 31.40703518[kHz]
Irr_domain	= 1H
Irr_freq	= 399.78219838[MHz]
Irr_offset	= 5[ppm]
Clipped	= TRUE
Mod_return	= 1
Scans	= 462
Total_scans	= 462
X_90_width	= 7[us]
X_acq_time	= 1.04333312[s]
X_angle	= 30[deg]
X_atn	= 6[dB]
X_pulse	= 2.33333333[us]
Irr_atn_dec	= 21.1[dB]
Irr_atn_noe	= 21.1[dB]
Irr_noise	= WALTZ
Decoupling	= TRUE
Initial_wait	= 1[s]
Noe	= TRUE
Noe_time	= 2[s]
Recvr_gain	= 60
Relaxation_delay	= 2[s]
Repetition_time	= 3.04333312[s]
Temp_get	= 22.7[dC]




abundance
X : parts per Million : 1H
1.0
1.01
0.99
2.05
2.78
2.04
3.1
2.07
3.1
8.5476
7.8122
7.4811
5.4032
4.8683
4.1546
4.0057
3.6563
3.2852
1.9656
-0.0230



JEOL

Filename	= JET-2-1AC new procedu
Author	= Seley
Experiment	= single_pulse_dec
Sample_id	= S#477284
Solvent	= METHANOL-D3
Creation_time	= 12-MAY-2020 13:32:11
Revision_time	= 12-MAY-2020 13:45:21
Current_time	= 12-MAY-2020 13:45:37
Comment	= single pulse decouple
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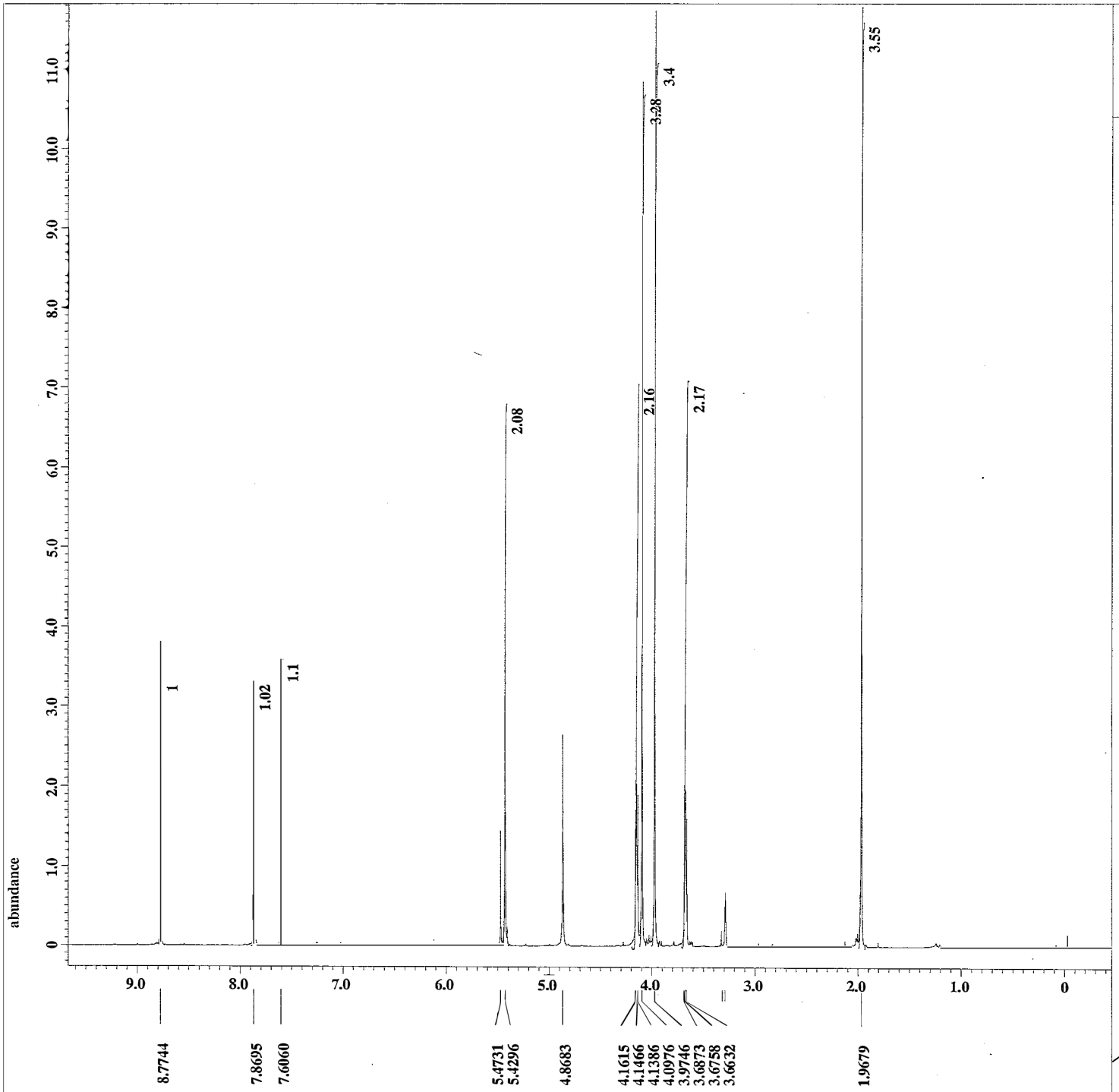
Dim_title	= 13C
Dim_units	= [ppm]
Dimensions	= X
Site	= ECX 400
Spectrometer	= DELTA2_NMR
Field_strength	= 9.389766[T] (400[MHz]
X_acq_duration	= 1.04333312[s]
X_domain	= 13C
X_freq	= 100.52530333[MHz]
X_offset	= 100[ppm]
X_points	= 32768
X_prescans	= 4
X_resolution	= 0.95846665[Hz]
X_sweep	= 31.40703518[kHz]
Irr_domain	= 1H
Irr_freq	= 399.78219838[MHz]
Irr_offset	= 5[ppm]
Clipped	= TRUE
Mod_return	= 1
Scans	= 507
Total_scans	= 507
X_90_width	= 7[us]
X_acq_time	= 1.04333312[s]
X_angle	= 30[deg]
X_atn	= 6[dB]
X_pulse	= 2.33333333[us]
Irr_atn_dec	= 21.1[dB]
Irr_atn_noe	= 21.1[dB]
Irr_noise	= WALTZ
Decoupling	= TRUE
Initial_wait	= 1[s]
Noe	= TRUE
Noe_time	= 2[s]
Recvr_gain	= 60
Relaxation_delay	= 2[s]
Repetition_time	= 3.04333312[s]
Temp_get	= 21.8[dC]



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Filename	= JET-2Ac-3.jdf
Author	= Seley
Experiment	= single_pulse.ex2
Sample_id	= S#427412
Solvent	= METHANOL-D3
Creation_time	= 15-MAY-2020 11:43:57
Revision_time	= 15-MAY-2020 12:00:55
Current_time	= 15-MAY-2020 12:01:21
Comment	= single_pulse
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Dim_title	= 1H
Dim_units	= [ppm]
Dimensions	= X
Site	= ECX 400
Spectrometer	= DELTA2_NMR
Field_strength	= 9.389766[T] (400[MHz]
X_acq_duration	= 2.18365952[s]
X_domain	= 1H
X_freq	= 399.78219838[MHz]
X_offset	= 5[ppm]
X_points	= 16384
X_prescans	= 1
X_resolution	= 0.45794685[Hz]
X_sweep	= 7.5030012[kHz]
Irr_domain	= 1H
Irr_freq	= 399.78219838[MHz]
Irr_offset	= 5[ppm]
Tri_domain	= 1H
Tri_freq	= 399.78219838[MHz]
Tri_offset	= 5[ppm]
Clipped	= FALSE
Mod_return	= 1
Scans	= 16
Total_scans	= 16
X_90_width	= 13.5[us]
X_acq_time	= 2.18365952[s]
X_angle	= 45[deg]
X_atn	= 3[dB]
X_pulse	= 6.75[us]
Irr_mode	= Off
Tri_mode	= Off
Dante_presat	= FALSE
Initial_wait	= 1[s]
Recvr_gain	= 36
Relaxation_delay	= 5[s]
Repetition_time	= 7.18365952[s]
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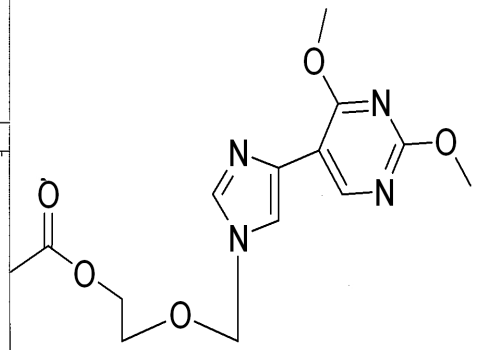

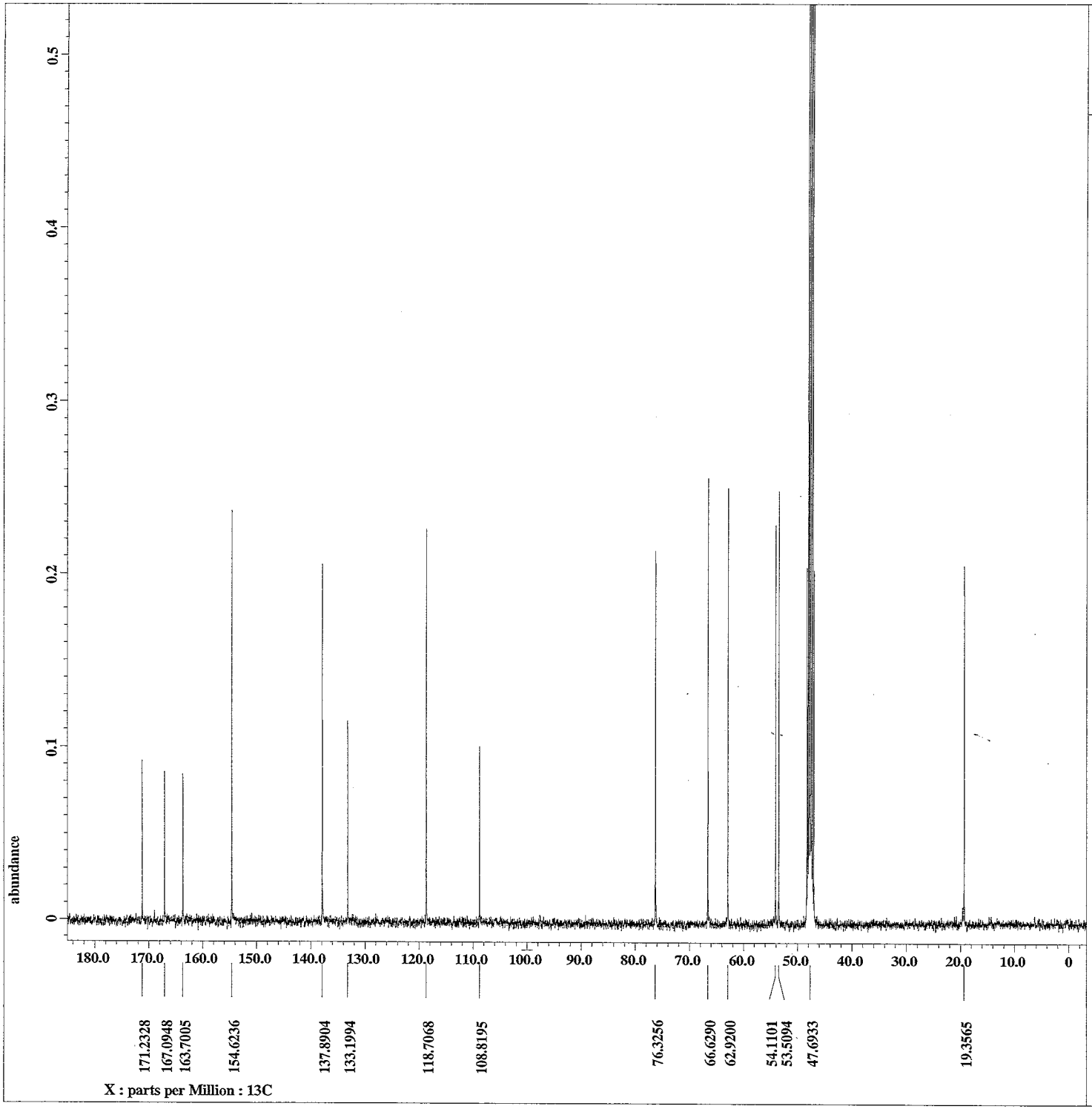

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Author	= Seley
Experiment	= single_pulse_dec
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Solvent	= METHANOL-D3
Creation_time	= 15-MAY-2020 12:14:19
Revision_time	= 15-MAY-2020 12:28:04
Current_time	= 15-MAY-2020 12:28:24
Comment	= single pulse decouple
Data_format	= 1D COMPLEX
Dim_size	= 26214
Dim_title	= 13C
Dim_units	= [ppm]
Dimensions	= X
Site	= ECX 400
Spectrometer	= DELTA2_NMR
Field_strength	= 9.389766[T] (400[MHz]
X_acq_duration	= 1.04333312[s]
X_domain	= 13C
X_freq	= 100.52530333[MHz]
X_offset	= 100[ppm]
X_points	= 32768
X_prescans	= 4
X_resolution	= 0.95846665[Hz]
X_sweep	= 31.40703518[kHz]
Irr_domain	= 1H
Irr_freq	= 399.78219838[MHz]
Irr_offset	= 5[ppm]
Clipped	= FALSE
Mod_return	= 1
Scans	= 535
Total_scans	= 535
X_90_width	= 7[us]
X_acq_time	= 1.04333312[s]
X_angle	= 30[deg]
X_atn	= 6[dB]
X_pulse	= 2.33333333[us]
Irr_atn_dec	= 21.1[dB]
Irr_atn_noe	= 21.1[dB]
Irr_noise	= WALTZ
Decoupling	= TRUE
Initial_wait	= 1[s]
Noe	= TRUE
Noe_time	= 2[s]
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Relaxation_delay	= 2[s]
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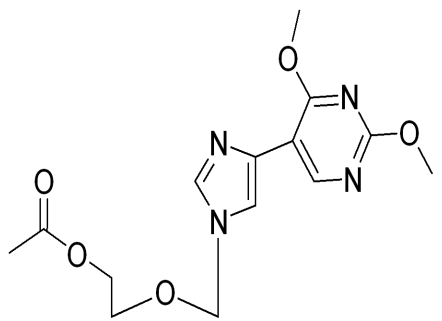
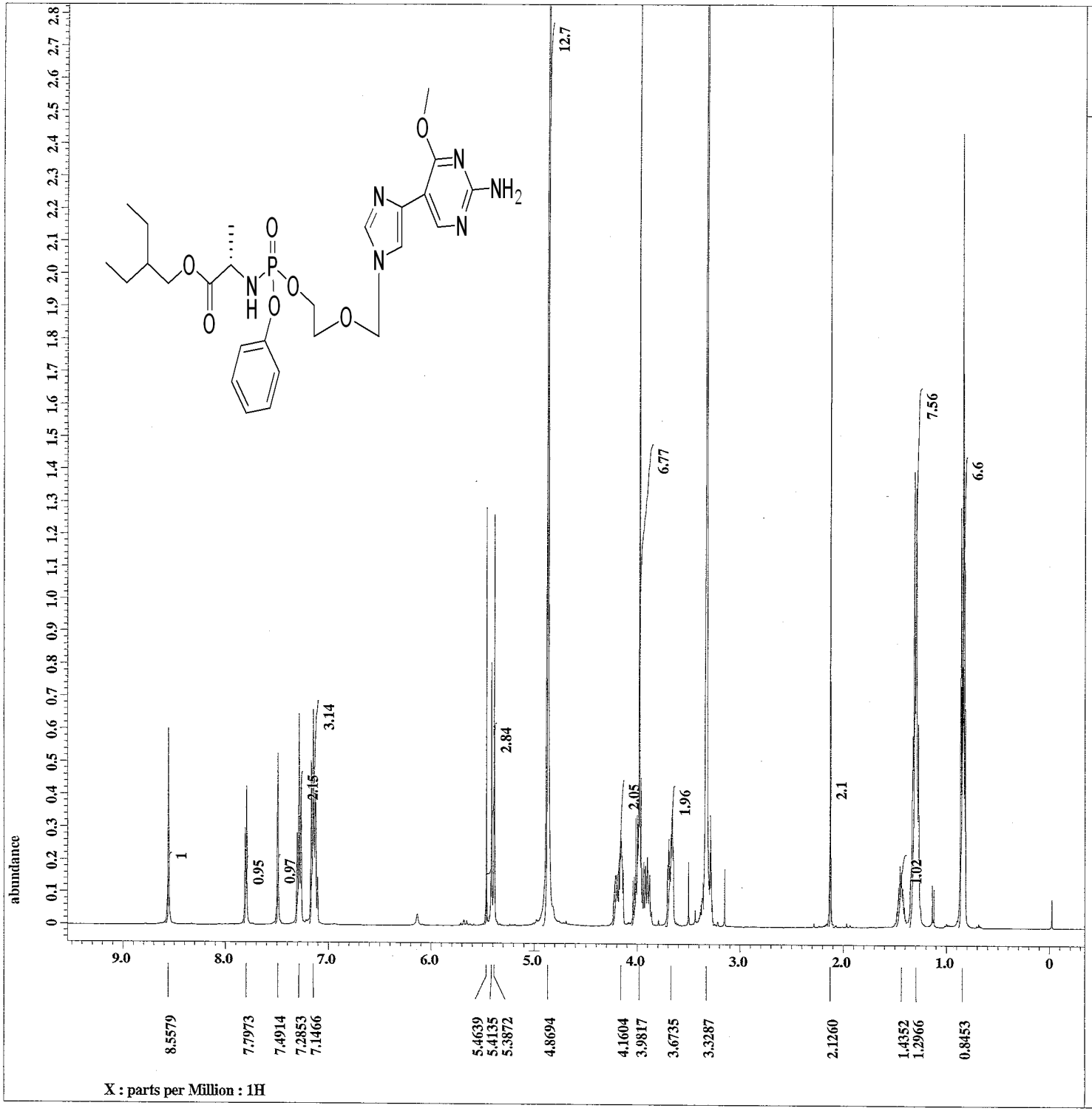
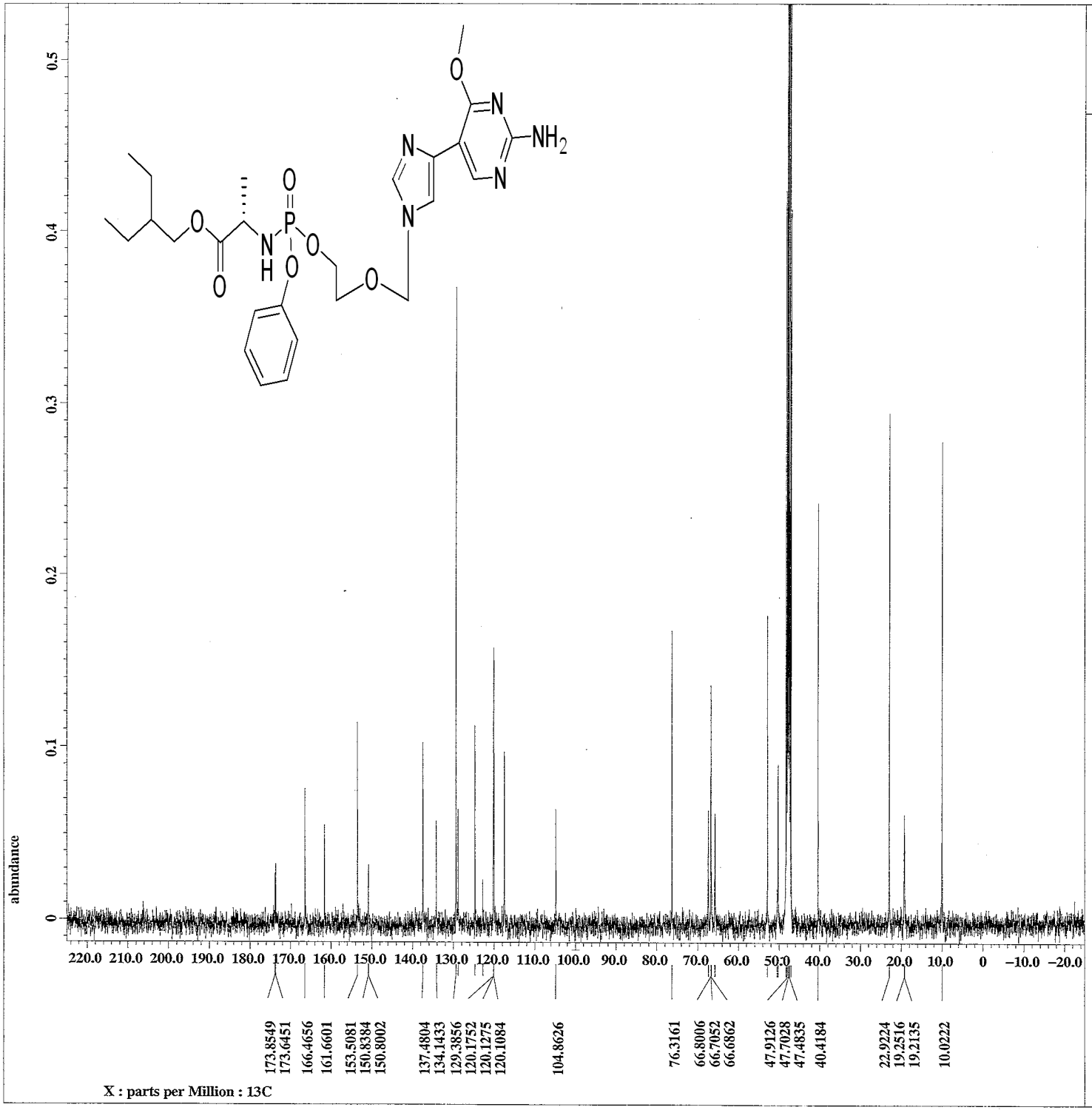




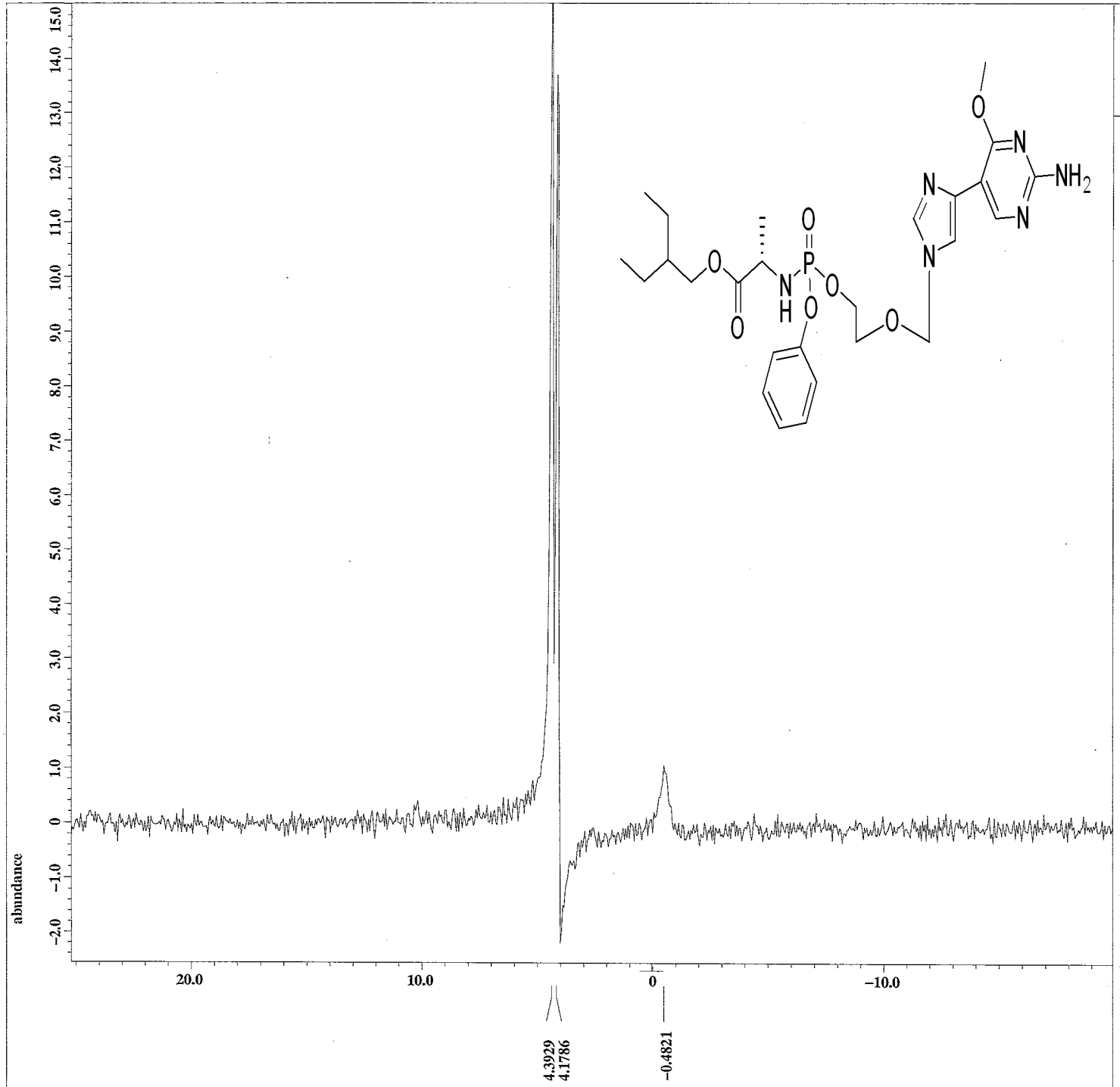
JEOL

Filename	= JET-2-023 1-MG-3.jdf
Author	= Seley
Experiment	= single_pulse.ex2
Sample_id	= S#611604
Solvent	= METHANOL-D3
Creation_time	= 23-APR-2020 16:51:38
Revision_time	= 23-APR-2020 17:08:57
Current_time	= 23-APR-2020 17:09:16
Comment	= single_pulse
Data_format	= 1D COMPLEX
Dim_size	= 13107
Dim_title	= 1H
Dim_units	= [ppm]
Dimensions	= X
Site	= ECX 400
Spectrometer	= DELTA2_NMR
Field_strength	= 9.389766[T] (400[MHz]
X_acq_duration	= 2.18365952[s]
X_domain	= 1H
X_freq	= 399.78219838[MHz]
X_offset	= 5[ppm]
X_points	= 16384
X_prescans	= 1
X_resolution	= 0.45794685[Hz]
X_sweep	= 7.5030012[kHz]
Irr_domain	= 1H
Irr_freq	= 399.78219838[MHz]
Irr_offset	= 5[ppm]
Tri_domain	= 1H
Tri_freq	= 399.78219838[MHz]
Tri_offset	= 5[ppm]
Clipped	= FALSE
Mod_return	= 1
Scans	= 24
Total_scans	= 24
X_90_width	= 13.5[us]
X_acq_time	= 2.18365952[s]
X_angle	= 45[deg]
X_atn	= 3[dB]
X_pulse	= 6.75[us]
Irr_mode	= Off
Tri_mode	= Off
Dante_presat	= FALSE
Initial_wait	= 1[s]
Recvr_gain	= 30
Relaxation_delay	= 5[s]
Repetition_time	= 7.18365952[s]
Temp_get	= 21.9[dC]



JEOL

Filename	= JET-1-MG-3.jdf
Author	= Seley
Experiment	= single_pulse_dec
Sample_id	= S#411547
Solvent	= METHANOL-D3
Creation_time	= 25-JUN-2020 11:36:59
Revision_time	= 25-JUN-2020 11:53:32
Current_time	= 25-JUN-2020 11:54:23
Comment	= single pulse decouple
Data_format	= 1D COMPLEX
Dim_size	= 26214
Dim_title	= 13C
Dim_units	= [ppm]
Dimensions	= X
Site	= ECX 400
Spectrometer	= DELTA2_NMR
Field_strength	= 9.389766[T] (400[MHz]
X_acq_duration	= 1.04333312[s]
X_domain	= 13C
X_freq	= 100.52530333[MHz]
X_offset	= 100[ppm]
X_points	= 32768
X_prescans	= 4
X_resolution	= 0.95846665[Hz]
X_sweep	= 31.40703518[kHz]
Irr_domain	= 1H
Irr_freq	= 399.78219838[MHz]
Irr_offset	= 5[ppm]
Clipped	= FALSE
Mod_return	= 1
Scans	= 428
Total_scans	= 428
X_90_width	= 7[us]
X_acq_time	= 1.04333312[s]
X_angle	= 30[deg]
X_atn	= 6[dB]
X_pulse	= 2.33333333[us]
Irr_atn_dec	= 21.1[dB]
Irr_atn_noe	= 21.1[dB]
Irr_noise	= WALTZ
Decoupling	= TRUE
Initial_wait	= 1[s]
Noe	= TRUE
Noe_time	= 2[s]
Recvr_gain	= 60
Relaxation_delay	= 2[s]
Repetition_time	= 3.04333312[s]
Temp_get	= 22.7[dC]



JEOL

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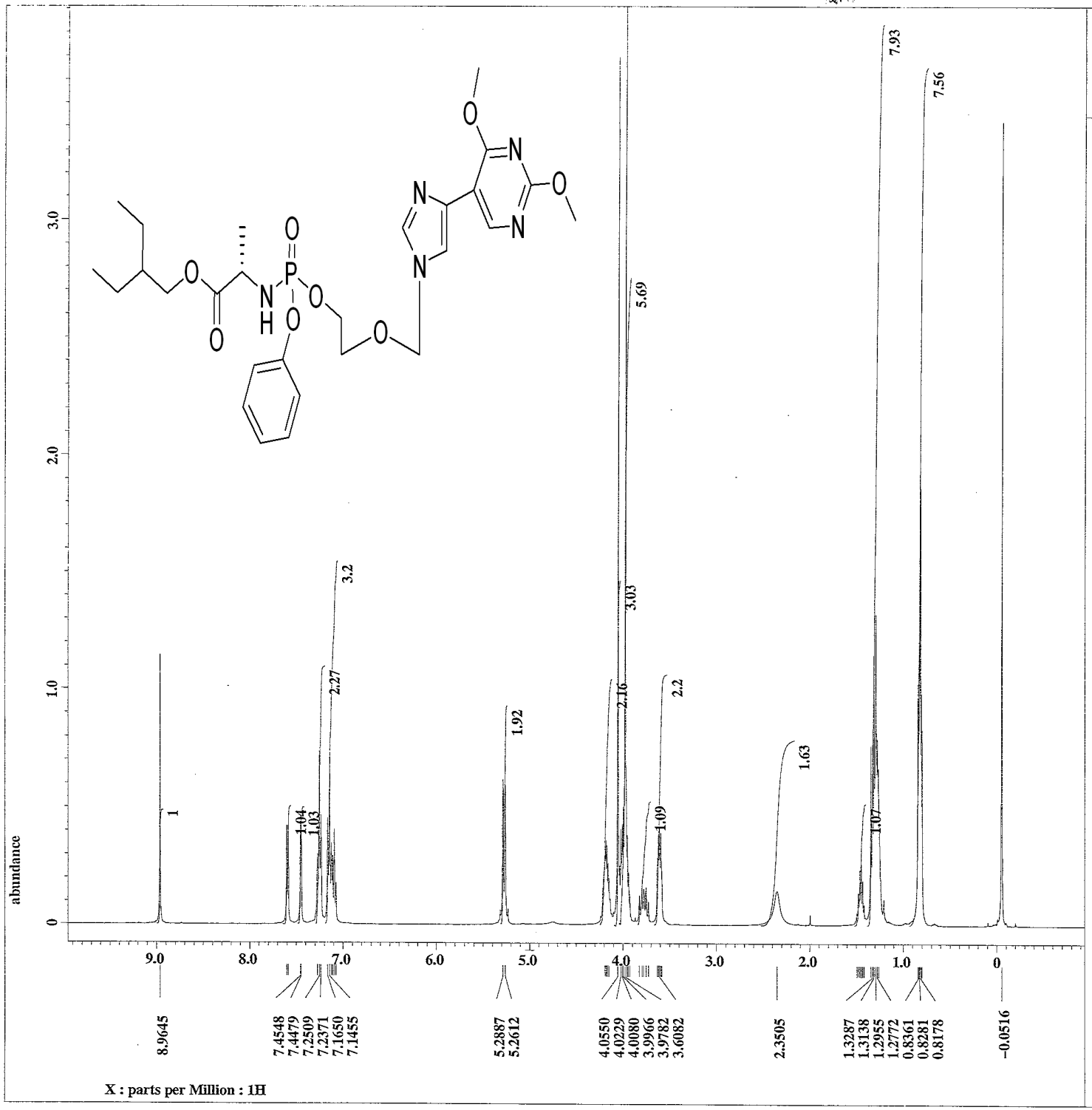
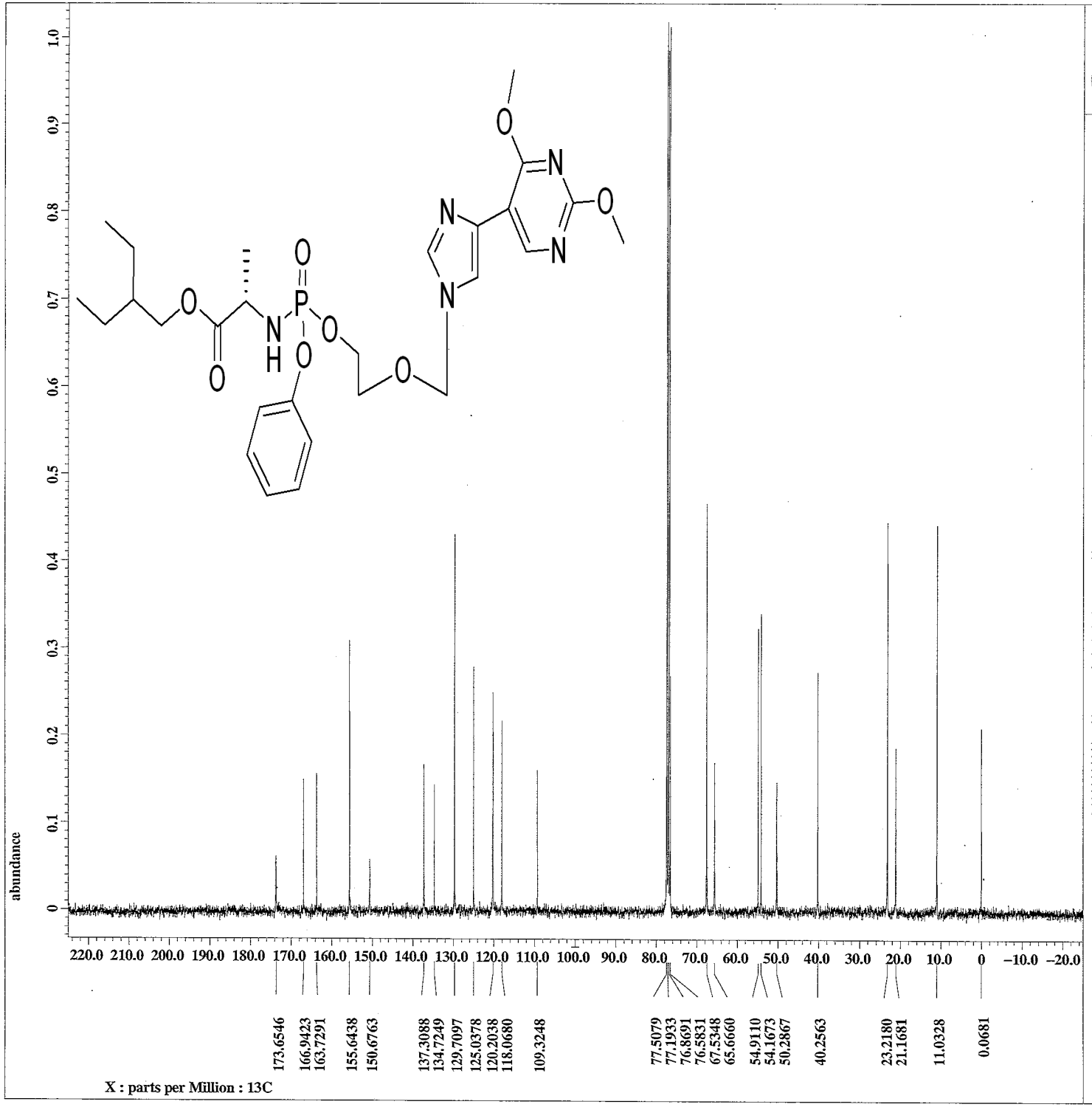
Author	= Seley
Experiment	= single_pulse.ex2
Sample_id	= S#429200
Solvent	= METHANOL-D3
Creation_time	= 25-JUN-2020 11:45:02
Revision_time	= 25-JUN-2020 11:58:42
Current_time	= 25-JUN-2020 11:59:04
Comment	= single_pulse
Data_format	= 1D COMPLEX
Dim_size	= 13107
Dim_title	= 31P
Dim_units	= [ppm]
Dimensions	= X
Site	= ECX 400
Spectrometer	= DELTA2_NMR
Field_strength	= 9.389766[T] (400[MHz]
X_acq_duration	= 0.11534336[s]
X_domain	= 31P
X_freq	= 161.83469309[MHz]
X_offset	= 0[ppm]
X_points	= 16384
X_prescans	= 1
X_resolution	= 8.66976651[Hz]
X_sweep	= 142.04545455[kHz]
Irr_domain	= 31P
Irr_freq	= 161.83469309[MHz]
Irr_offset	= 5[ppm]
Tri_domain	= 31P
Tri_freq	= 161.83469309[MHz]
Tri_offset	= 5[ppm]
Clipped	= FALSE
Mod_return	= 1
Scans	= 16
Total_scans	= 16
X_90_width	= 16.2[us]
X_acq_time	= 0.11534336[s]
X_angle	= 45[deg]
X_atn	= 3[dB]
X_pulse	= 8.1[us]
Irr_mode	= Off
Tri_mode	= Off
Dante_presat	= FALSE
Initial_wait	= 1[s]
Recvr_gain	= 56
Relaxation_delay	= 5[s]
Repetition_time	= 5.11534336[s]
Temp_get	= 22.5[dC]

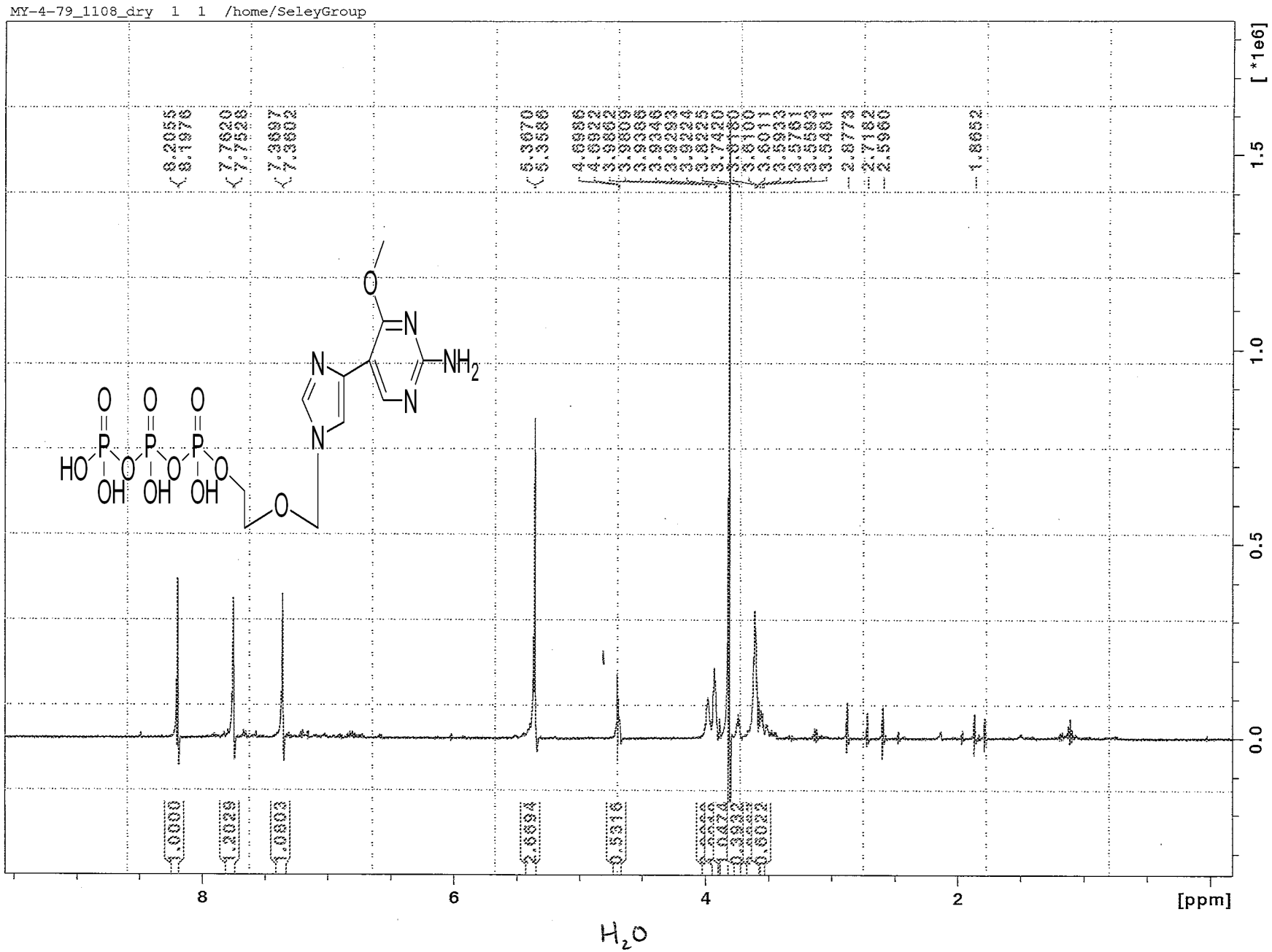


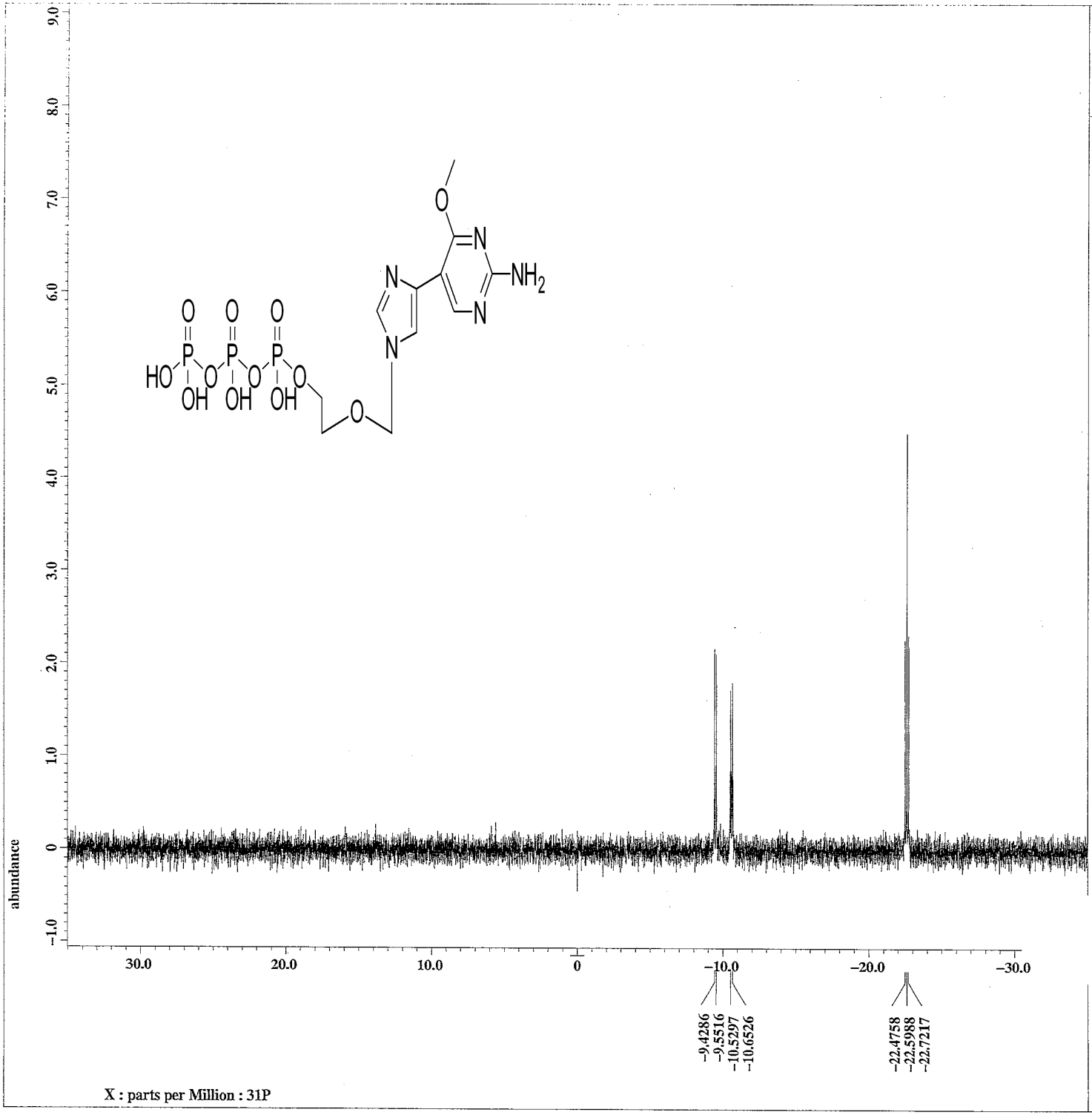
Filename	= JET-2MG-3.jdf
Author	= Seley
Experiment	= single_pulse.ex2
Sample_id	= S#446794
Solvent	= CHLOROFORM-D
Creation_time	= 1-JUN-2020 12:16:33
Revision_time	= 1-JUN-2020 12:45:55
Current_time	= 1-JUN-2020 12:46:08
Comment	= single_pulse
Data_format	= 1D COMPLEX
Dim_size	= 13107
Dim_title	= 1H
Dim_units	= [ppm]
Dimensions	= X
Site	= ECX 400
Spectrometer	= DELTA2_NMR
Field_strength	= 9.389766[T] (400[MHz]
X_acq_duration	= 2.18365952[s]
X_domain	= 1H
X_freq	= 399.78219838[MHz]
X_offset	= 5[ppm]
X_points	= 16384
X_prescans	= 1
X_resolution	= 0.45794685[Hz]
X_sweep	= 7.5030012[kHz]
Irr_domain	= 1H
Irr_freq	= 399.78219838[MHz]
Irr_offset	= 5[ppm]
Tri_domain	= 1H
Tri_freq	= 399.78219838[MHz]
Tri_offset	= 5[ppm]
Clipped	= FALSE
Mod_return	= 1
Scans	= 16
Total_scans	= 16
X_90_width	= 13.5[us]
X_acq_time	= 2.18365952[s]
X_angle	= 45[deg]
X_atn	= 3[dB]
X_pulse	= 6.75[us]
Irr_mode	= Off
Tri_mode	= Off
Dante_presat	= FALSE
Initial_wait	= 1[s]
Recvr_gain	= 32
Relaxation_delay	= 5[s]
Repetition_time	= 7.18365952[s]
Temp_get	= 19.6[dC]



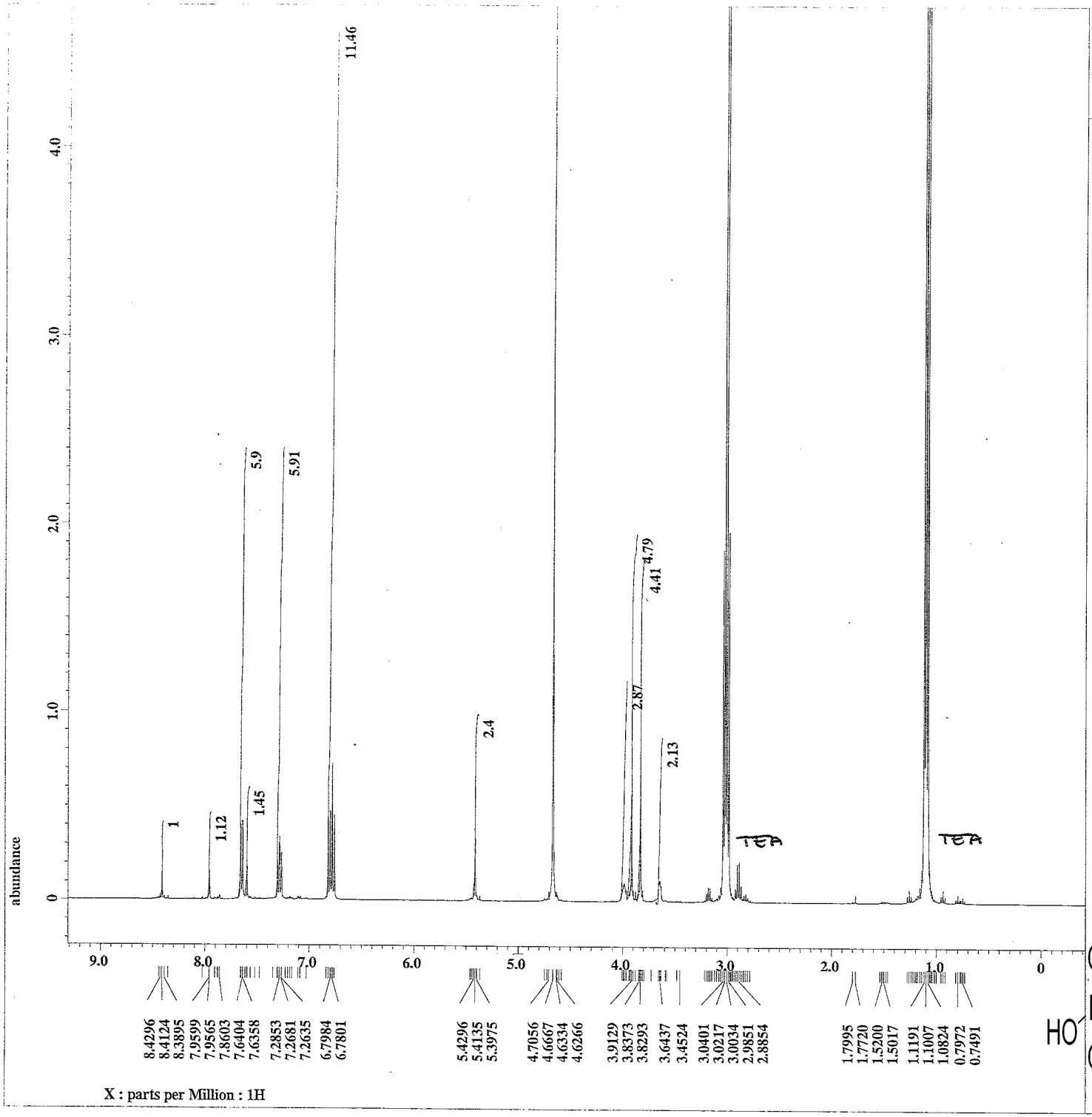
JEOL

Filename	= JET-2MG-4.jdf
Author	= Seley
Experiment	= single_pulse_dec
Sample_id	= S#449657
Solvent	= CHLOROFORM-D
Creation_time	= 1-JUN-2020 12:46:21
Revision_time	= 1-JUN-2020 13:00:13
Current_time	= 1-JUN-2020 13:00:16
Comment	= single pulse decouple
Data_format	= 1D COMPLEX
Dim_size	= 26214
Dim_title	= 13C
Dim_units	= [ppm]
Dimensions	= X
Site	= ECX 400
Spectrometer	= DELTA2_NMR
Field_strength	= 9.389766[T] (400[MHz]
X_acq_duration	= 1.04333312[s]
X_domain	= 13C
X_freq	= 100.52530333[MHz]
X_offset	= 100[ppm]
X_points	= 32768
X_prescans	= 4
X_resolution	= 0.95846665[Hz]
X_sweep	= 31.40703518[kHz]
Irr_domain	= 1H
Irr_freq	= 399.78219838[MHz]
Irr_offset	= 5[ppm]
Clipped	= TRUE
Mod_return	= 1
Scans	= 528
Total_scans	= 528
X_90_width	= 7[us]
X_acq_time	= 1.04333312[s]
X_angle	= 30[deg]
X_atn	= 6[dB]
X_pulse	= 2.33333333[us]
Irr_atn_dec	= 21.1[dB]
Irr_atn_noe	= 21.1[dB]
Irr_noise	= WALTZ
Decoupling	= TRUE
Initial_wait	= 1[s]
Noe	= TRUE
Noe_time	= 2[s]
Recvr_gain	= 60
Relaxation_delay	= 2[s]
Repetition_time	= 3.04333312[s]
Temp_get	= 19.8[dC]

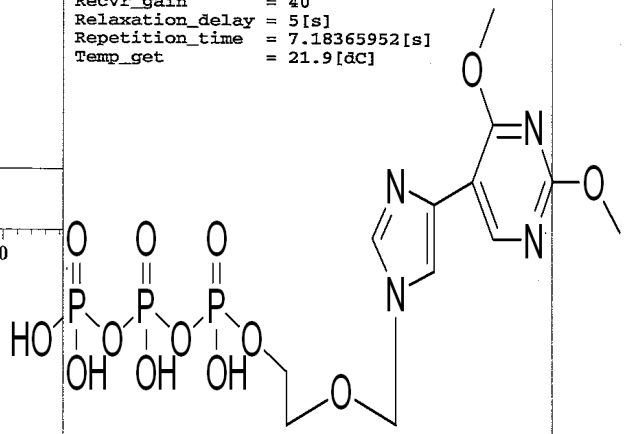

MY-4-79_1108_dry 1 1 /home/SeleyGroup
8.2055
8.1976
7.7628
7.7528
7.3697
7.3603
5.3670
5.3586
4.6986
4.6922
3.9869
3.9805
3.9386
3.9346
3.9294
3.8934
3.8225
3.7742
3.7420
3.6100
3.6011
3.5933
3.5761
3.5593
3.5481
2.8773
2.7182
2.5960
1.8652
[*1e6]
1.5
1.0
0.5
0.0
1.0000
1.2028
1.0803
2.6694
0.5316
1.0474
0.3932
0.6022
8
6
4
2
[ppm]
H2O

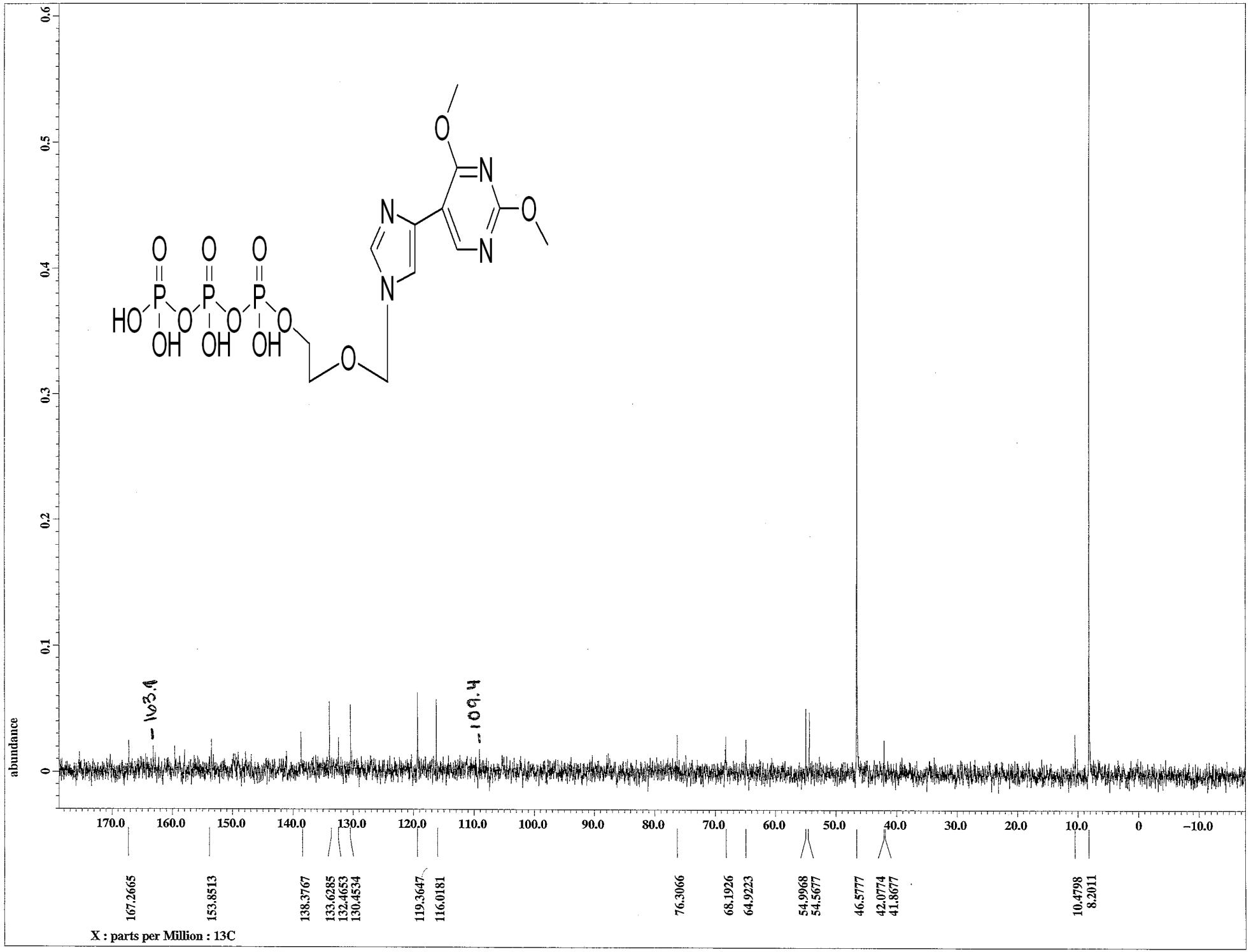


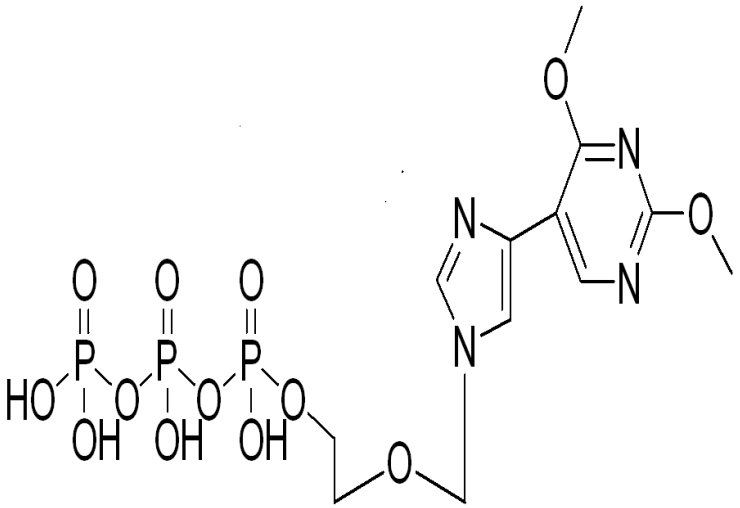
Filename	= MY-1-219.2-ttw4 -2.jd
Author	= Seley
Experiment	= single_pulse.ex2
Sample_id	= S#385127
Solvent	= D2O
Creation_time	= 19-DEC-2016 10:57:55
Revision_time	= 19-DEC-2016 10:46:49
Current_time	= 19-DEC-2016 10:46:58
Comment	= single_pulse
Data_format	= 1D COMPLEX
Dim_size	= 13107
Dim_title	= 31P
Dim_units	= [ppm]
Dimensions	= X
Site	= ECX 400
Spectrometer	= DELTA2_NMR
Field_strength	= 9.389766[T] (400[MHz]
X_acq_duration	= 1.15605504[s]
X_domain	= 31P
X_freq	= 161.83469309[MHz]
X_offset	= 0[ppm]
X_points	= 16384
X_prescans	= 1
X_resolution	= 0.86501072[Hz]
X_sweep	= 14.1723356[kHz]
Irr_domain	= 31P
Irr_freq	= 161.83469309[MHz]
Irr_offset	= 5[ppm]
Tri_domain	= 31P
Tri_freq	= 161.83469309[MHz]
Tri_offset	= 5[ppm]
Clipped	= FALSE
Mod_return	= 1
Scans	= 32
Total_scans	= 32
X_90_width	= 16.2[us]
X_acq_time	= 1.15605504[s]
X_angle	= 45[deg]
X_atn	= 3[dB]
X_pulse	= 8.1[us]
Irr_mode	= Off
Tri_mode	= Off
Dante_presat	= FALSE
Initial_wait	= 1[s]
Recvr_gain	= 68
Relaxation_delay	= 5[s]
Repetition_time	= 6.15605504[s]
Temp_get	= 22.3[dC]



Filename	= MY-4-003_1yoph_0327-3
Author	= Seley
Experiment	= single_pulse.ex2
Sample_id	= S#467455
Solvent	= D2O
Creation_time	= 27-MAR-2018 12:03:00
Revision_time	= 27-MAR-2018 13:04:29
Current_time	= 27-MAR-2018 13:04:56
Comment	= single_pulse
Data_format	= 1D COMPLEX
Dim_size	= 13107
Dim_title	= 1H
Dim_units	= [ppm]
Dimensions	= X
Site	= ECX 400
Spectrometer	= DELTA2_NMR
Field_strength	= 9.389766[T] (400[MHz]
X_acq_duration	= 2.18365952[s]
X_domain	= 1H
X_freq	= 399.78219838[MHz]
X_offset	= 5[ppm]
X_points	= 16384
X_prescans	= 1
X_resolution	= 0.45794685[Hz]
X_sweep	= 7.5030012[kHz]
Irr_domain	= 1H
Irr_freq	= 399.78219838[MHz]
Irr_offset	= 5[ppm]
Tri_domain	= 1H
Tri_freq	= 399.78219838[MHz]
Tri_offset	= 5[ppm]
Clipped	= FALSE
Mod_return	= 1
Scans	= 8
Total_scans	= 8
X_90_width	= 13.5[us]
X_acq_time	= 2.18365952[s]
X_angle	= 45[deg]
X_atn	= 3[dB]
X_pulse	= 6.75[us]
Irr_mode	= Off
Tri_mode	= Off
Dante_presat	= FALSE
Initial_wait	= 1[s]
Recvr_gain	= 40
Relaxation_delay	= 5[s]
Repetition_time	= 7.18365952[s]
Temp_get	= 21.9[dC]




abundance
0
0.1
0.2
0.3
0.4
0.5
0.6
-103.4
-109.4
170.0
160.0
150.0
140.0
130.0
120.0
110.0
100.0
90.0
80.0
70.0
60.0
50.0
40.0
30.0
20.0
10.0
0
-10.0
167.2665
153.8513
138.3767
133.6285
132.4653
130.4534
119.3647
116.0181
76.3066
68.1926
64.9223
54.9968
54.5677
46.5777
42.0774
41.8677
10.4798
8.2011
X : parts per Million : 13C



JEOL

Filename	= MY-3-034.PHOS-3.jdf
Author	= Seley
Experiment	= single_pulse.ex2
Sample_id	= S#588947
Solvent	= D2O
Creation_time	= 18-JUL-2017 16:24:04
Revision_time	= 18-JUL-2017 16:27:15
Current_time	= 18-JUL-2017 16:27:24
Comment	= single_pulse
Data_format	= 1D COMPLEX
Dim_size	= 13107
Dim_title	= 31P
Dim_units	= [ppm]
Dimensions	= X
Site	= ECX 400
Spectrometer	= DELTA2_NMR
Field_strength	= 9.389766[T] (400[MHz]
X_acq_duration	= 1.15605504[s]
X_domain	= 31P
X_freq	= 161.83469309[MHz]
X_offset	= 0[ppm]
X_points	= 16384
X_prescans	= 1
X_resolution	= 0.86501072[Hz]
X_sweep	= 14.1723356[kHz]
Irr_domain	= 31P
Irr_freq	= 161.83469309[MHz]
Irr_offset	= 5[ppm]
Tri_domain	= 31P
Tri_freq	= 161.83469309[MHz]
Tri_offset	= 5[ppm]
Clipped	= FALSE
Mod_return	= 1
Scans	= 32
Total_scans	= 32
X_90_width	= 16.2[us]
X_acq_time	= 1.15605504[s]
X_angle	= 45[deg]
X_atn	= 3[dB]
X_pulse	= 8.1[us]
Irr_mode	= Off
Tri_mode	= Off
Dante_presat	= FALSE
Initial_wait	= 1[s]
Recvr_gain	= 66
Relaxation_delay	= 5[s]
Repetition_time	= 6.15605504[s]
Temp_get	= 22.5[dC]

Generic Display Report

Analysis Info

Analysis Name	D:\Data\Seley\Joy\JET-2-boronic ester suzuki00.d	Acquisition Date	5/19/2020 2:24:56 PM
Method	Seley_ESI_Pos_Generic.m	Operator	ADM
Sample Name	.ACh	Instrument	amaZon speed
Comment