

Supplementary Material

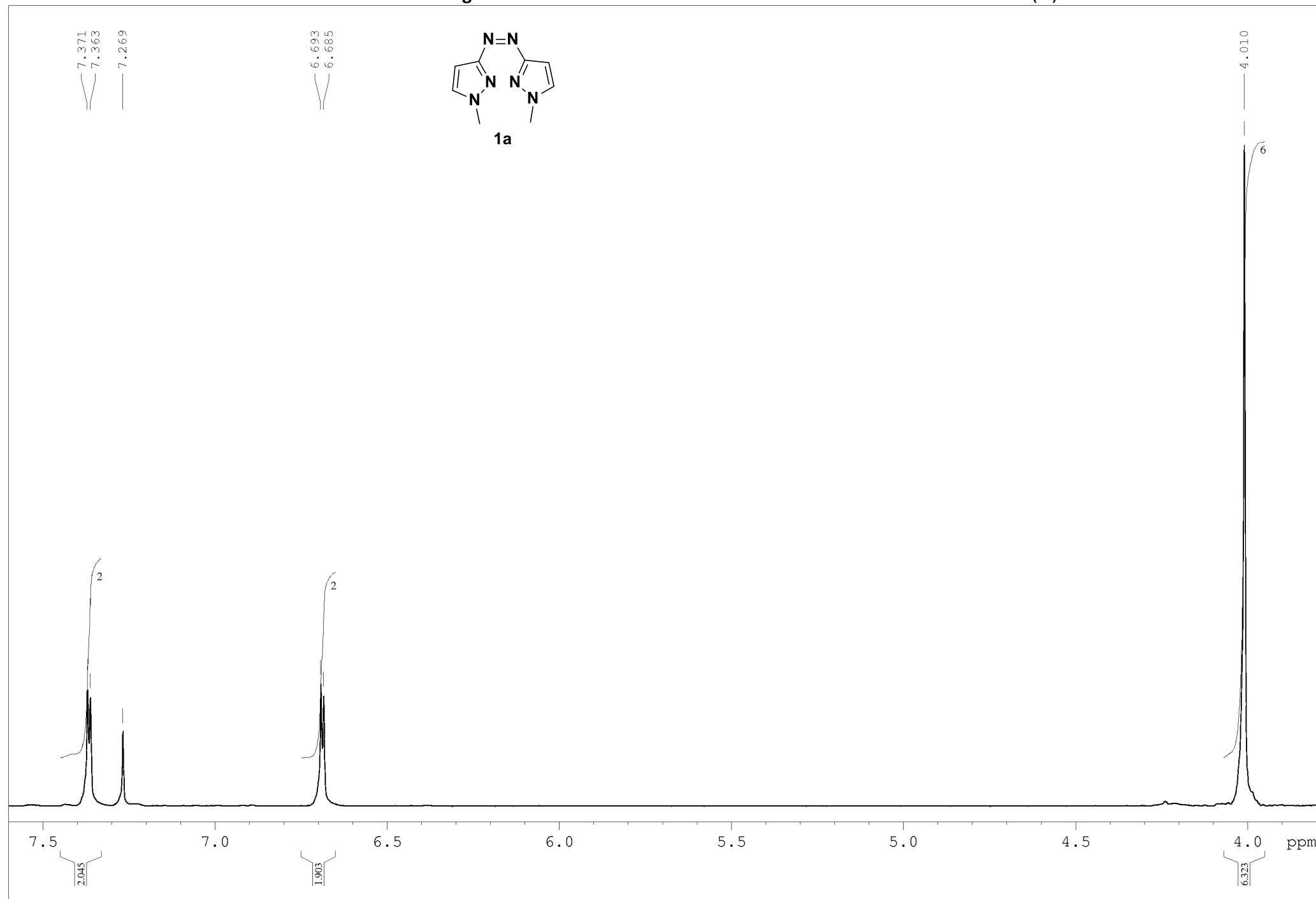
Oxidative conversion of N-substituted 3-aminopyrazoles to azopyrazoles using electrogenerated NaOCl as the mediator

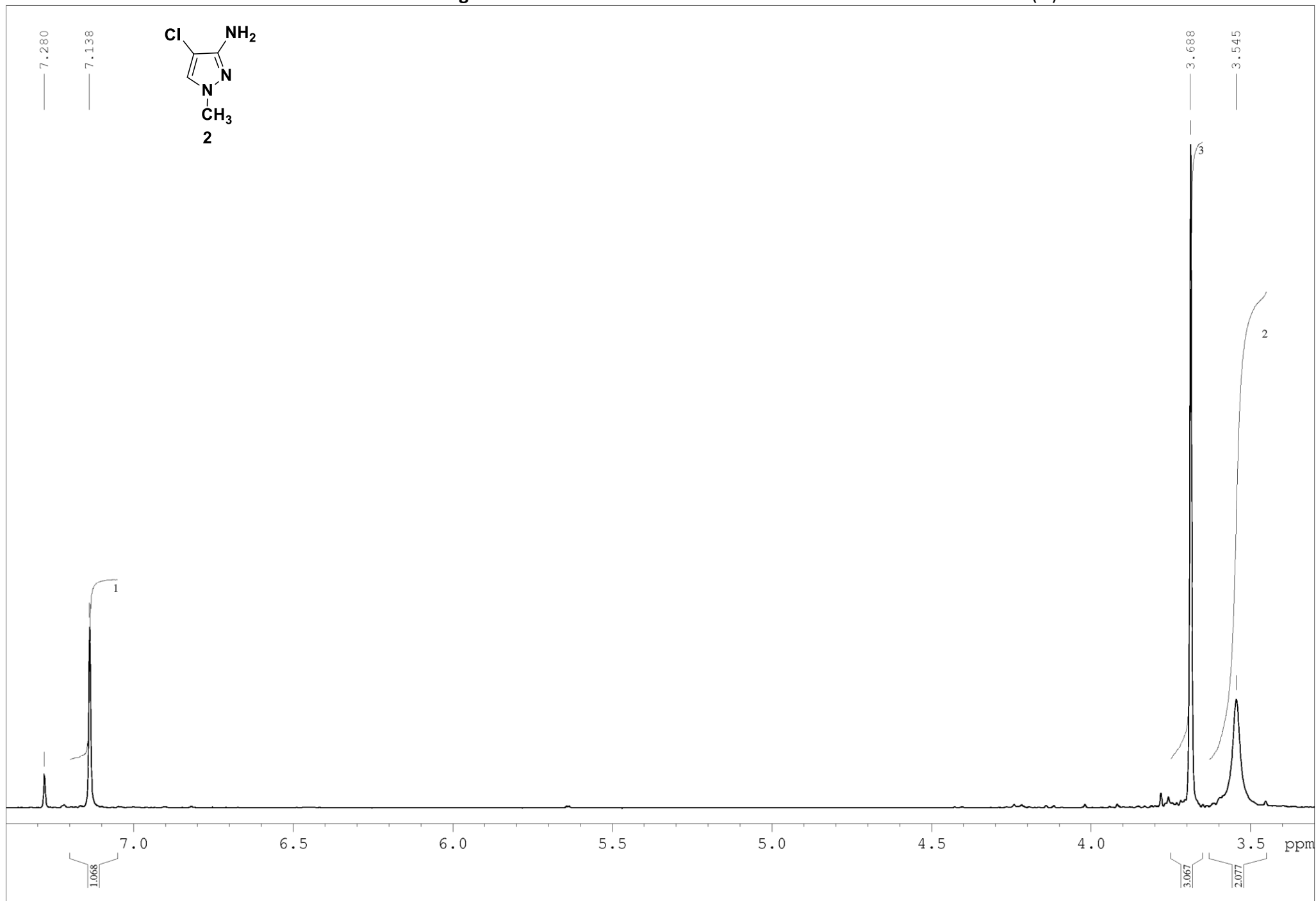
Boris V. Lyalin, Vera L. Sigacheva, Vladimir A. Kokorekin, and Vladimir A. Petrosyan*

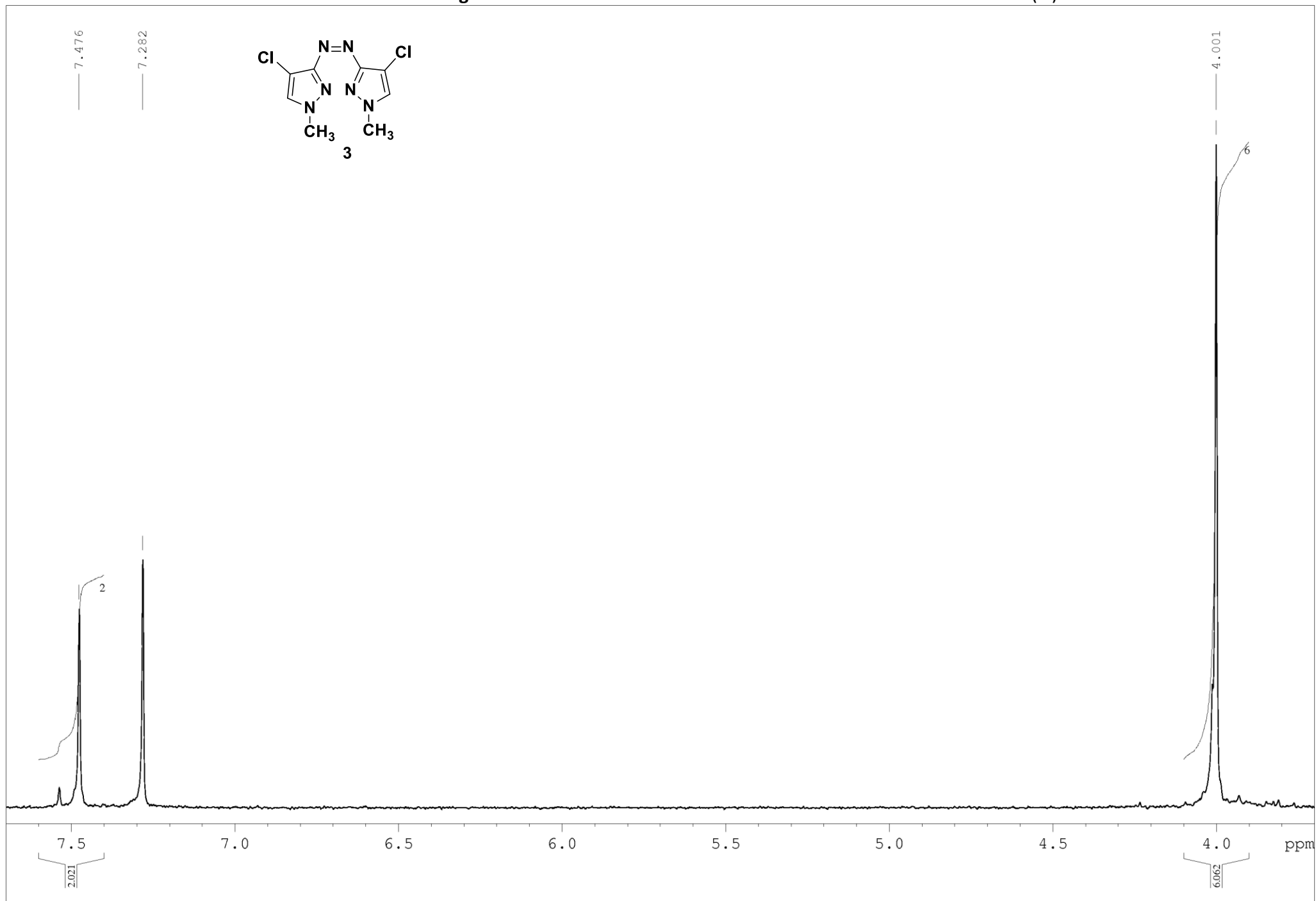
*N.D. Zelinsky Institute of Organic Chemistry, Russian Academy of Sciences, 119991 Moscow, Russian Federation**First I. M. Sechenov Moscow State Medical University, 119991 Moscow, Russian Federation*Email: petros@ioc.ac.ru

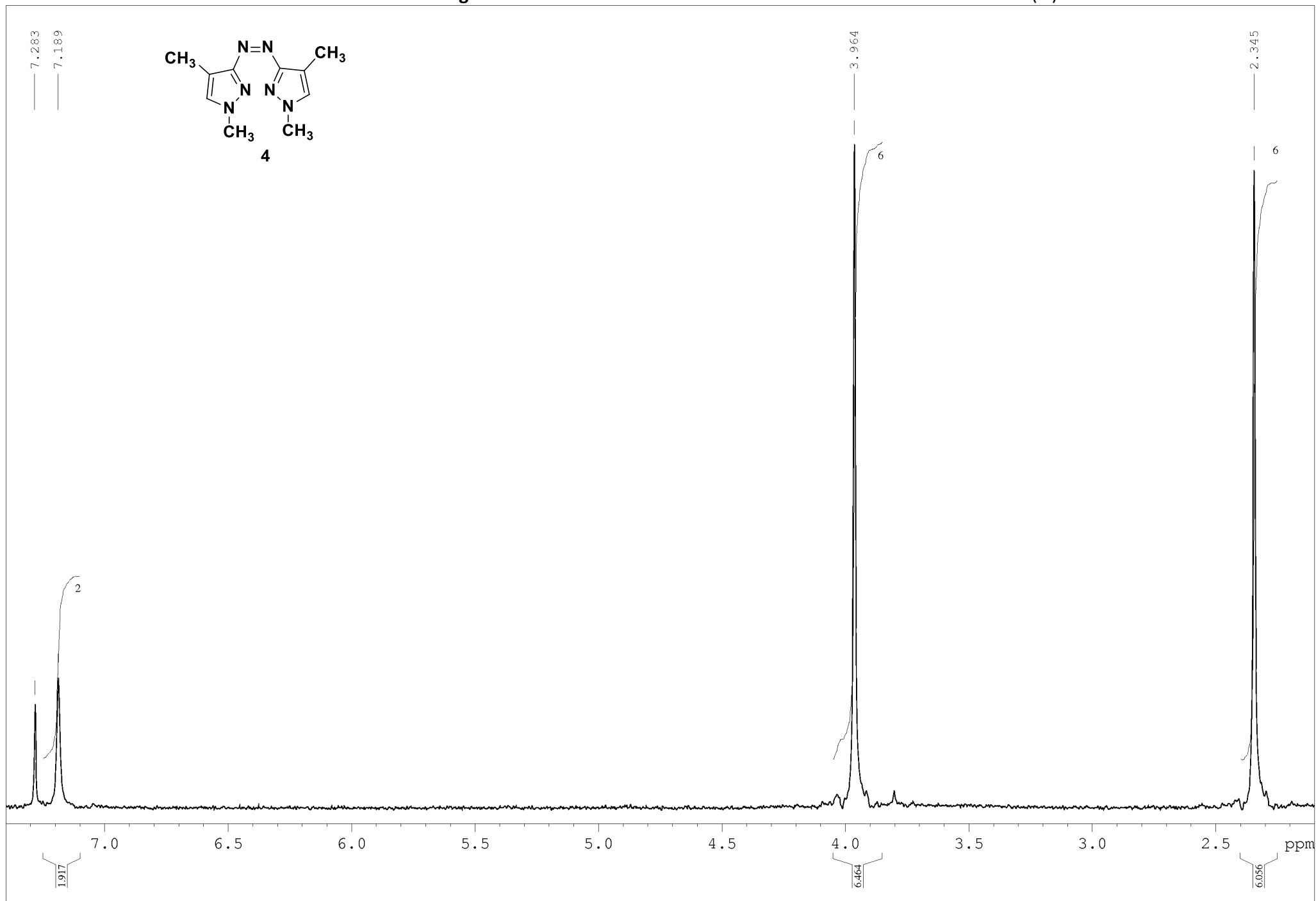
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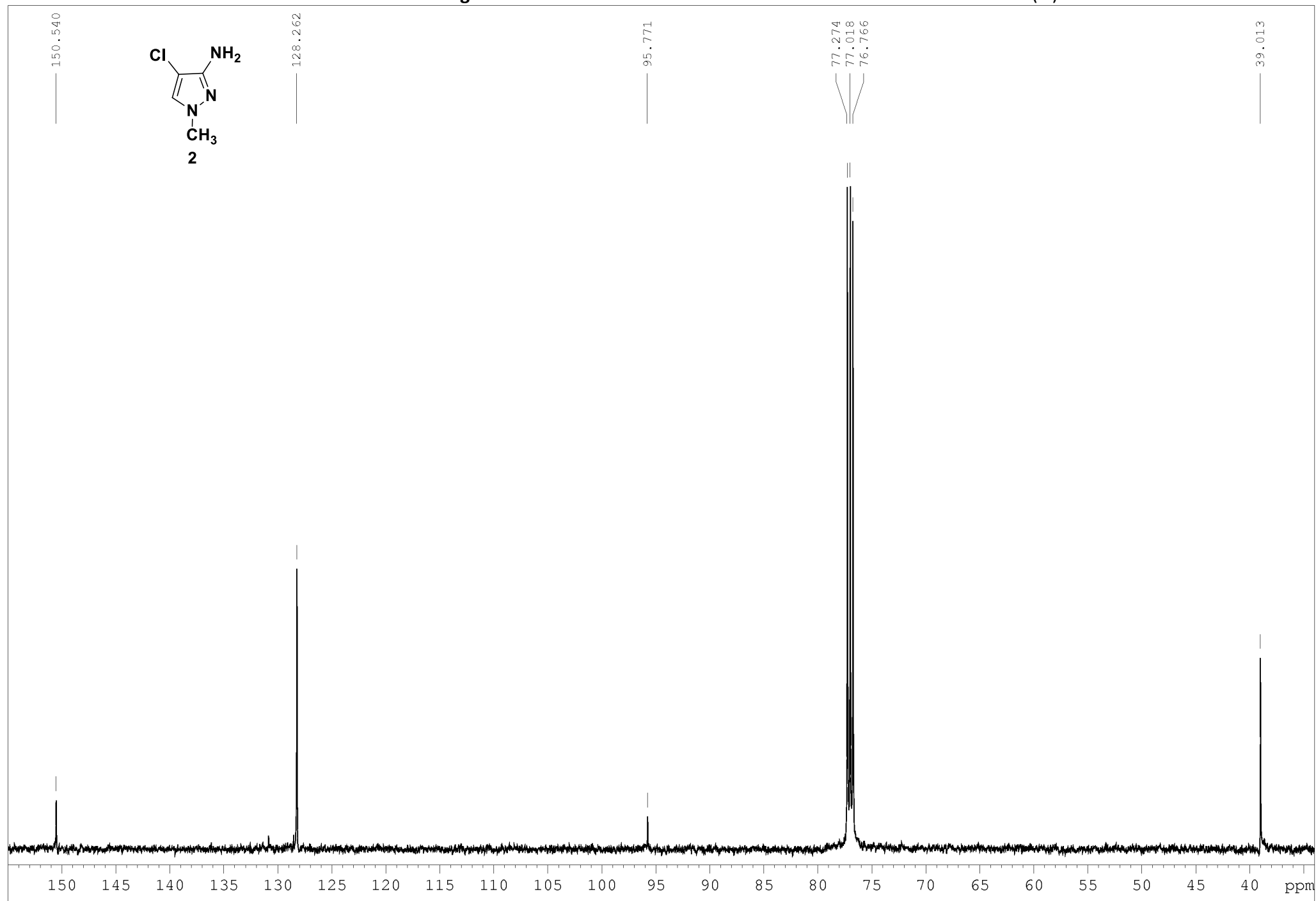
¹ H-NMR spectra of compound 1a	S2
¹ H-NMR spectra of compound 2	S3
¹ H-NMR spectra of compound 3	S4
¹ H-NMR spectra of compound 4	S5
¹³ C-NMR spectra of compound 2	S6
¹³ C-NMR spectra of compound 3	S7
¹³ C-NMR spectra of compound 4	S8
HRMS of compound 1a	S9
HRMS of compound 2	S10
HRMS of compound 3	S11
HRMS of compound 4	S12

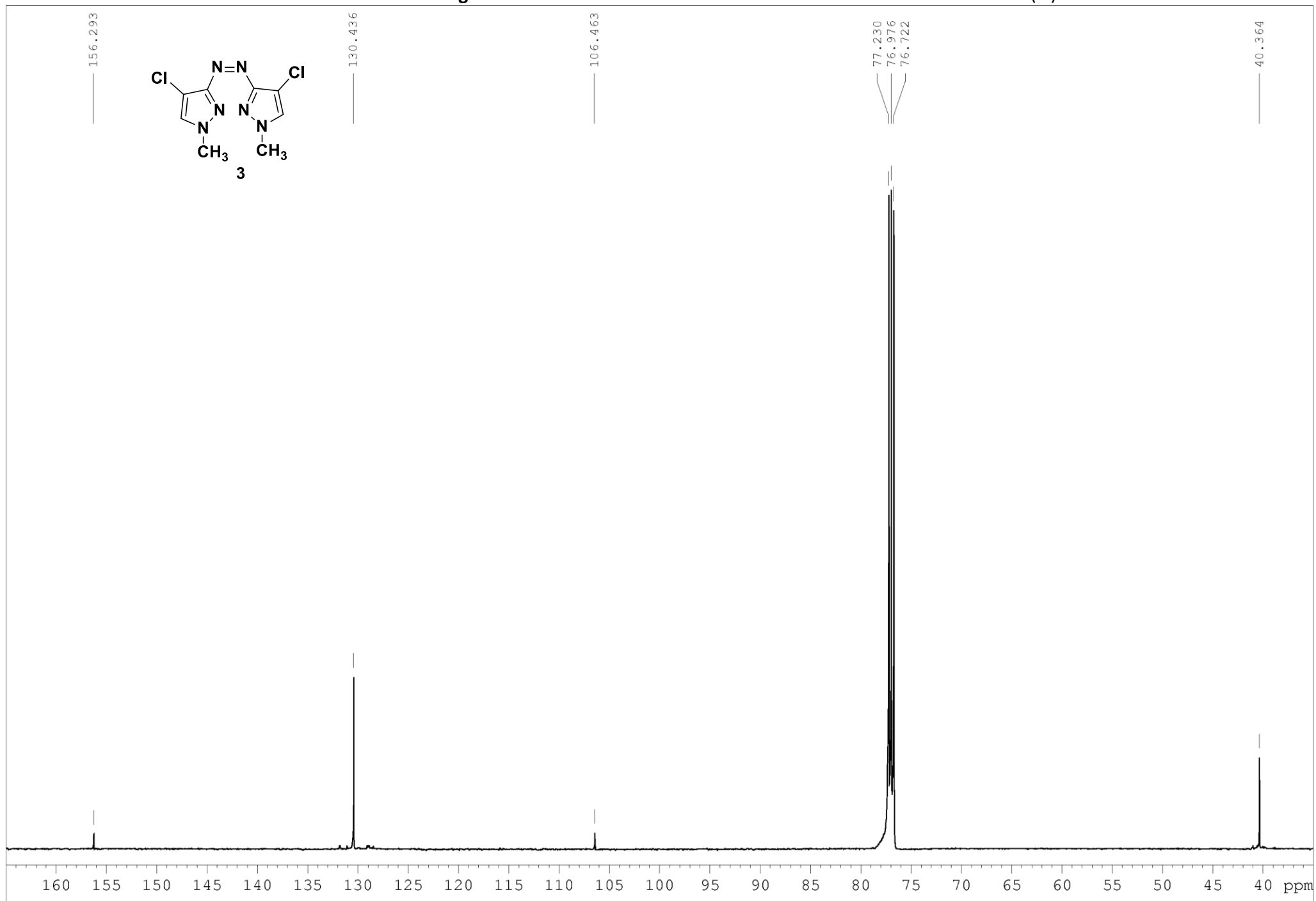


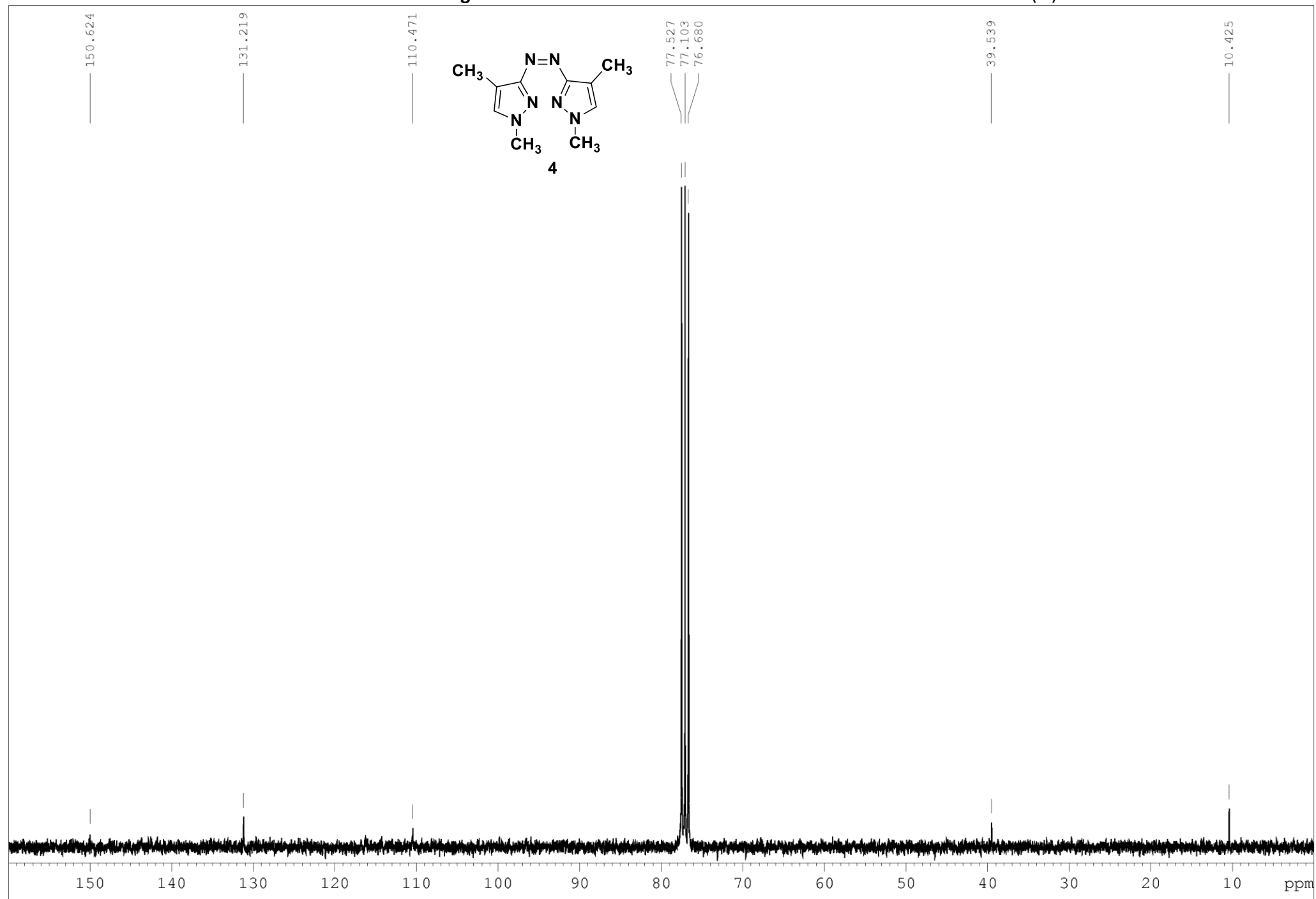












Display Report

Analysis Info

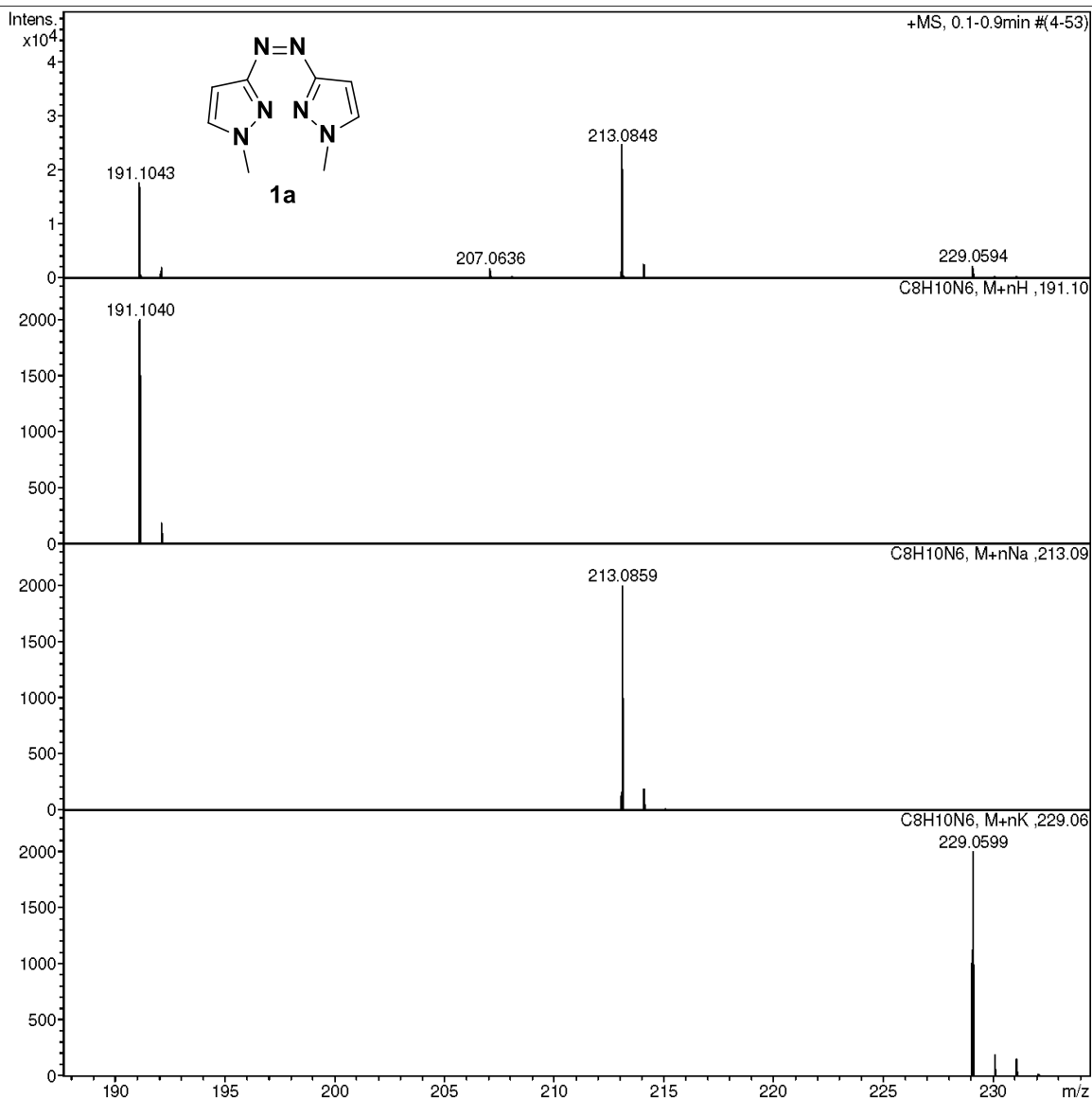
Analysis Name D:\Data\Kolotyrkina\2015\Sigacheva\0211026.d
Method tune_low.m
Sample Name /VAPP SIG-mass-011
Comment C8H10N6 mw 190 clb added

Acquisition Date 11.02.2015 15:59:34

Operator BDAL@DE
Instrument / Ser# micrOTOF 10248

Acquisition Parameter

Source Type	ESI	Ion Polarity	Positive	Set Nebulizer	0.4 Bar
Focus	Not active			Set Dry Heater	180 °C
Scan Begin	50 m/z	Set Capillary	4500 V	Set Dry Gas	4.0 l/min
Scan End	3000 m/z	Set End Plate Offset	-500 V	Set Divert Valve	Waste



Display Report

Analysis Info

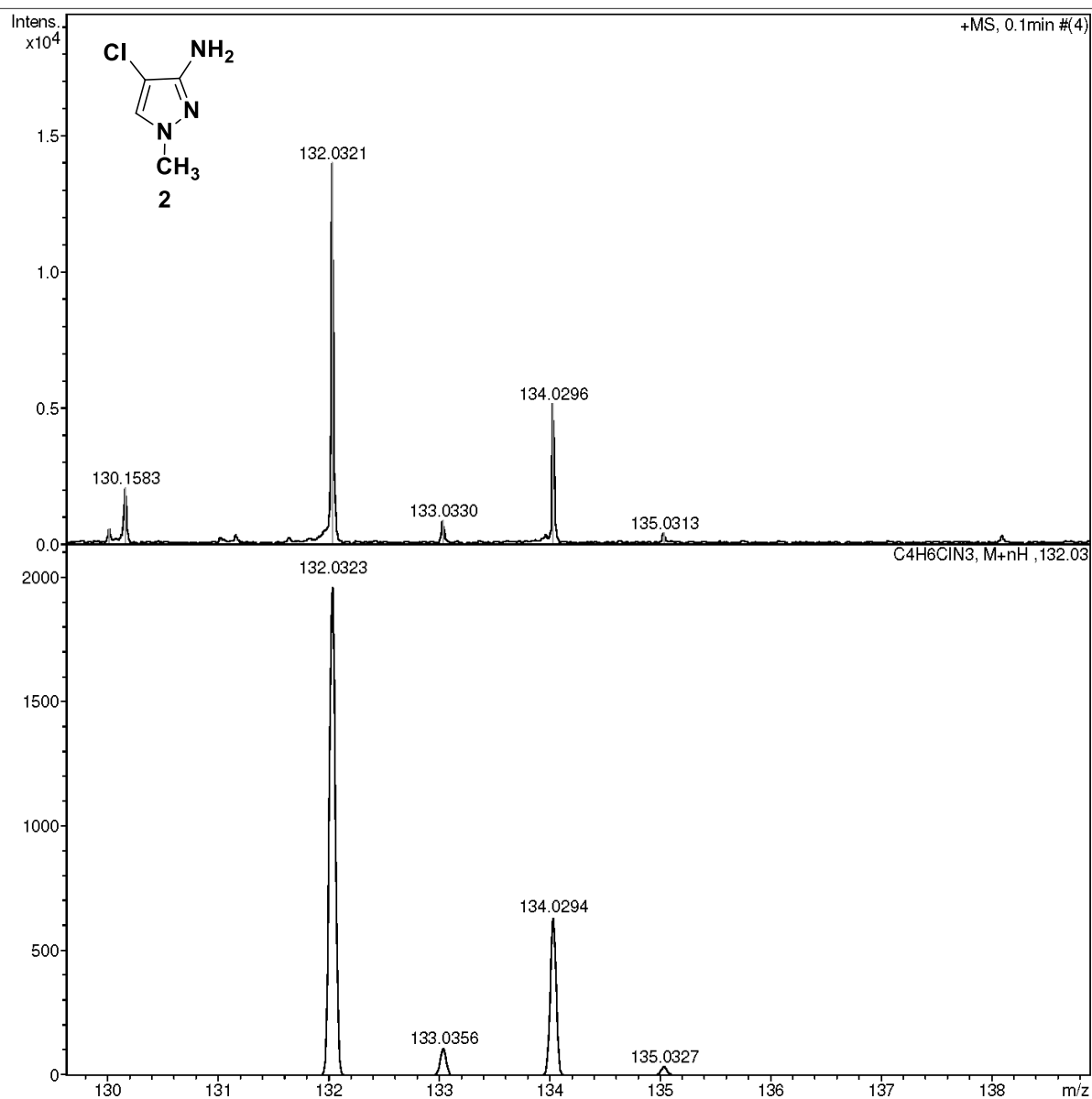
Analysis Name D:\Data\Kolotyrkina\2015\Sigachova\1022004.d
Method tune_low.m
Sample Name /VAPP sigmass016
Comment C4H6ClN3 mw 131 calibrant added

Acquisition Date 22.10.2015 10:16:24

Operator BDAL@DE
Instrument / Ser# micrOTOF 10248

Acquisition Parameter

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Focus	Not active			Set Dry Heater	180 °C
Scan Begin	50 m/z	Set Capillary	4500 V	Set Dry Gas	4.0 l/min
Scan End	3000 m/z	Set End Plate Offset	-500 V	Set Divert Valve	Waste



Display Report

Analysis Info

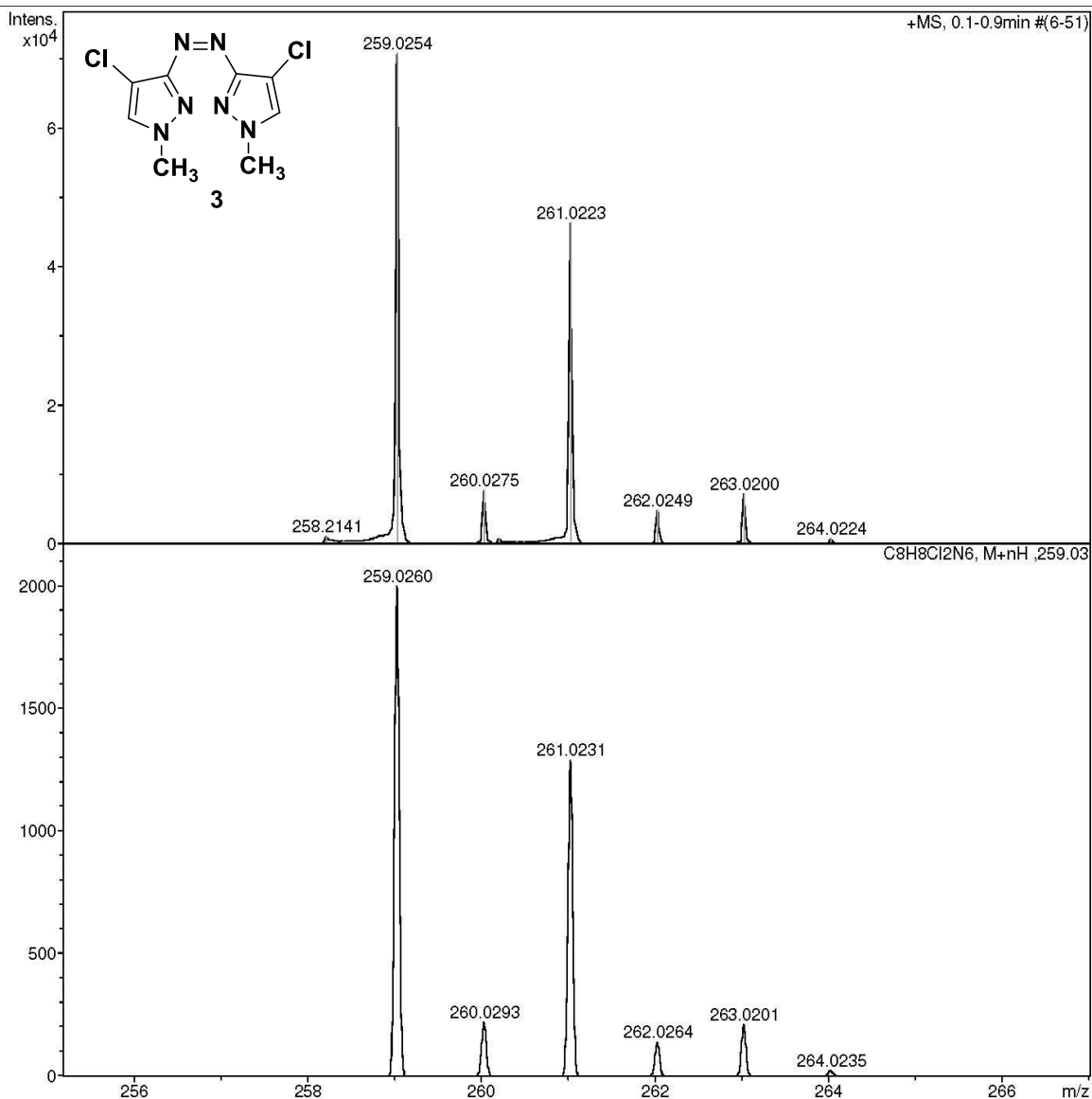
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Method tune_low.m
Sample Name /VAPP Sigmass025
Comment C8H8Cl2N6 mW 259.026 clb added

Acquisition Date 17.05.2016 16:35:21

Operator BDAL@DE
Instrument / Ser# micrOTOF 10248

Acquisition Parameter

Source Type	ESI	Ion Polarity	Positive	Set Nebulizer	0.4 Bar
Focus	Not active			Set Dry Heater	180 °C
Scan Begin	50 m/z	Set Capillary	4500 V	Set Dry Gas	4.0 l/min
Scan End	3000 m/z	Set End Plate Offset	-500 V	Set Divert Valve	Waste



Display Report

Analysis Info

Analysis Name D:\Data\Chizhov\Egorov\Sigacheva\sigmass20_&clblow.d
Method tune_low.m
Sample Name /VAPP Sigmass20
Comment CH3CN 100 %, dil. 200, calibrant added

Acquisition Date 14.03.2016 14:12:40
Operator BDAL@DE
Instrument / Ser# micrOTOF 10248

Acquisition Parameter

Source Type	ESI	Ion Polarity	Positive	Set Nebulizer	0.4 Bar
Focus	Not active			Set Dry Heater	180 °C
Scan Begin	50 m/z	Set Capillary	4500 V	Set Dry Gas	4.0 l/min
Scan End	3000 m/z	Set End Plate Offset	-500 V	Set Divert Valve	Waste

