

4-(2-Bromovinyl)benzocyclobutene

Konstantin A. Chudov ^{1,*}, Konstantin S. Levchenko ¹, Pavel S. Shmelin ² and Evgeny P. Grebennikov ²

¹ RTU MIREA – Russian Technological University, 78 Vernadsky Avenue, Moscow 119571, Russia;
k.s.levchenko@gmail.com (K.S.L.); shmelinps@gmail.com (P.S.S.)

² JSC «Technomash», 4 Ivana Franko Str., Moscow 121108, Russia; grebennikov@cnitim.ru

* Correspondence: k4udov@gmail.com; Tel.: +7-926-714-9148

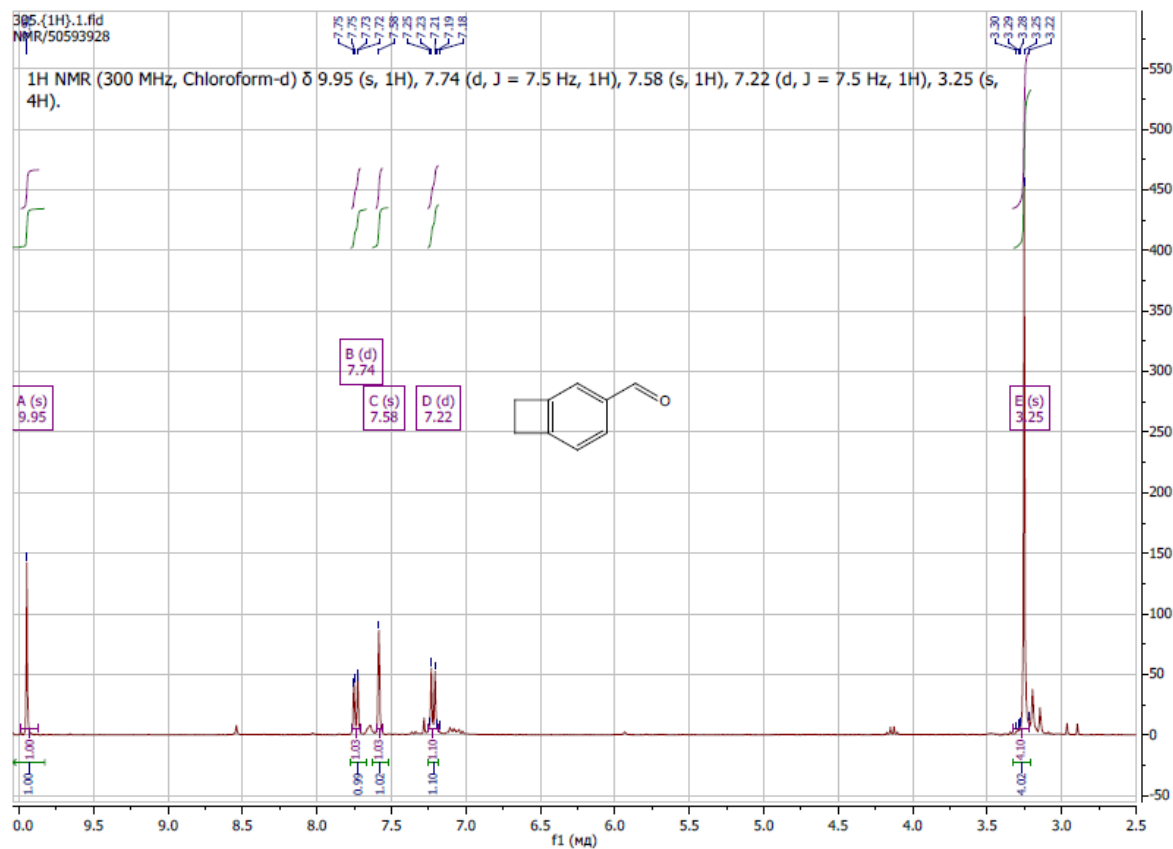


Figure S1. ¹H NMR spectrum of 4-benzocyclobutenecarbaldehyde.

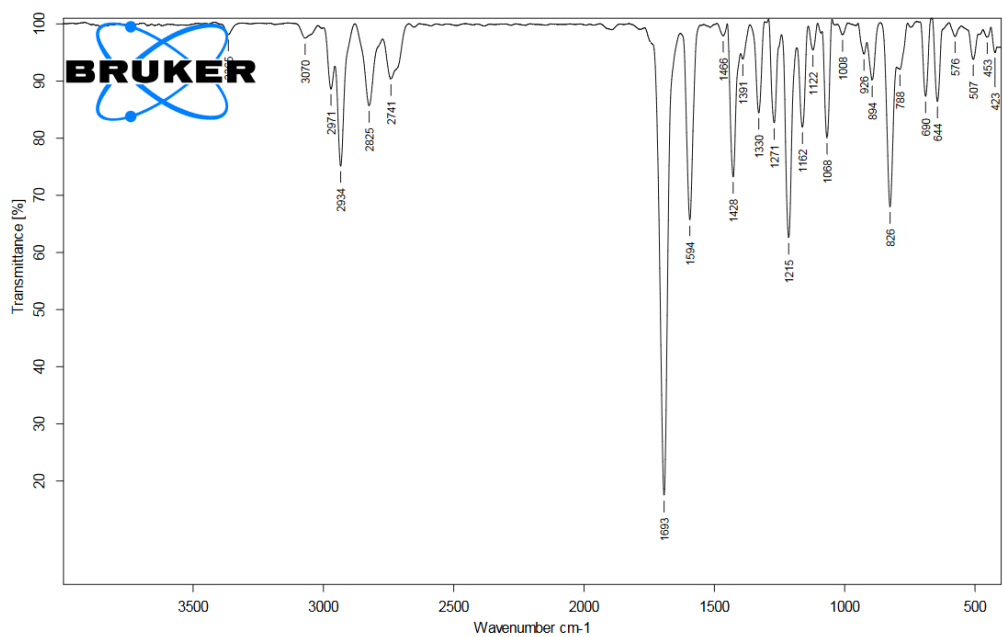


Figure S2. IR spectrum of 4-benzocyclobutenecarbaldehyde.

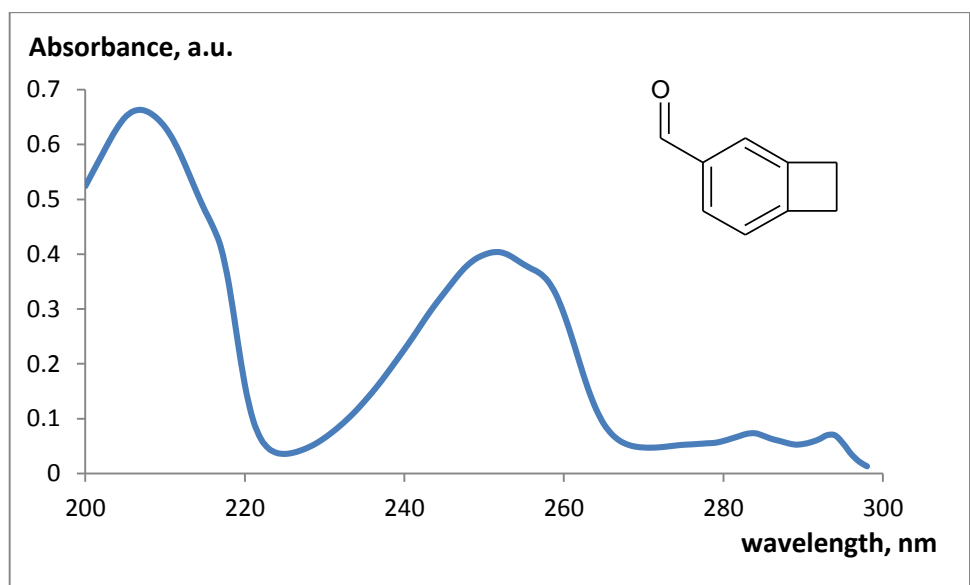


Figure S3. UV-vis spectrum of 4-benzocyclobutenecarbaldehyde in hexane.

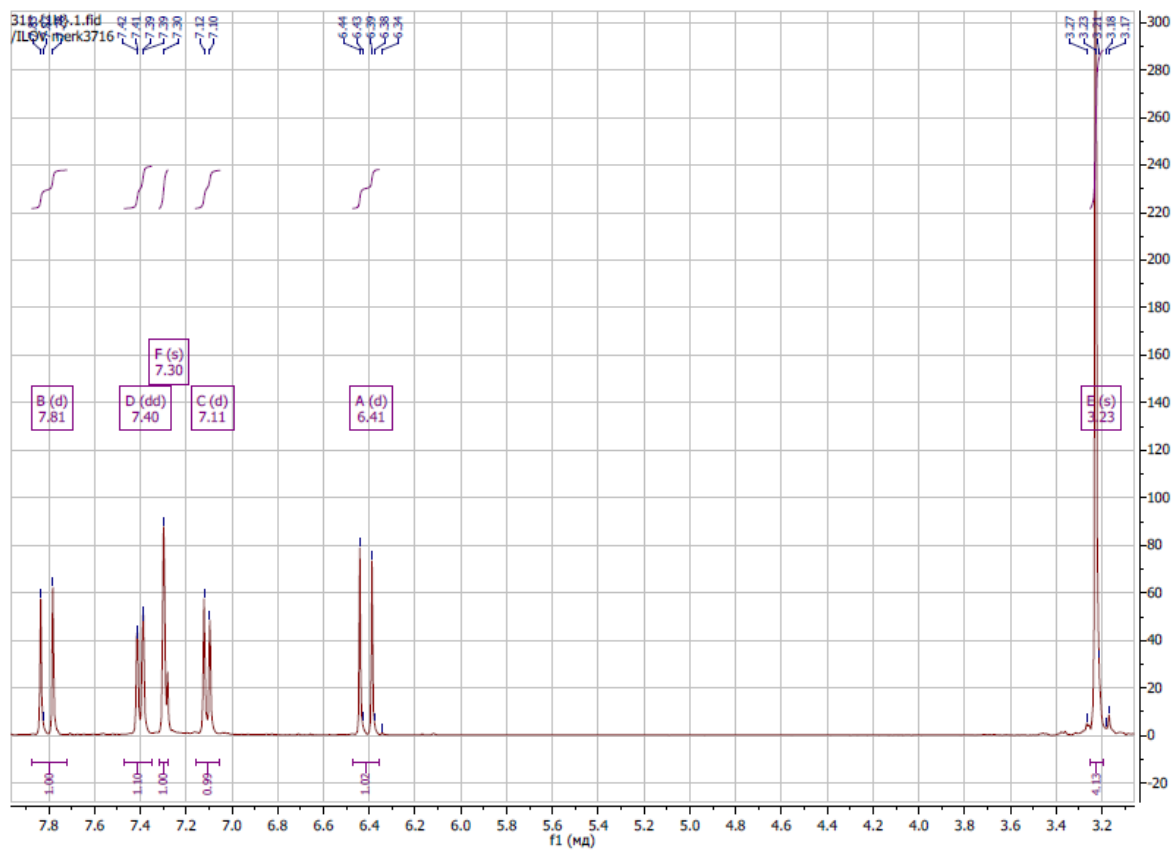


Figure S4. ^1H NMR spectrum of benzocyclobutene-4-acrylic acid.

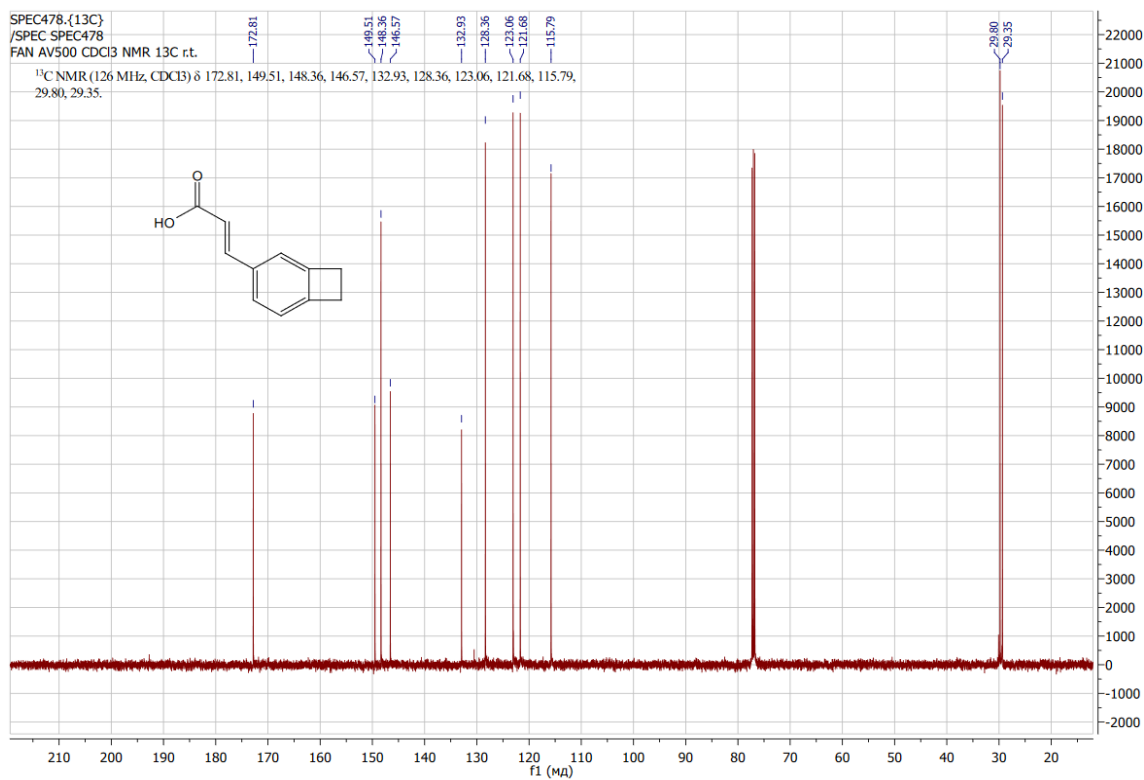


Figure S5. ¹³C NMR spectrum of benzocyclobutene-4-acrylic acid.

Display Report

Analysis Info

Analysis Name D:\Data\Kolotyrkina\2019\Demim\1213008.d
Method tune_50-1600.m
Sample Name /DEMEX SpAc
Comment C11H10O2 mH 175.0753 calibrant added CH3OH

Acquisition Date 13.12.2019 16:16:00

Operator BDAL@DE
Instrument / Ser# micrOTOF 10248

Acquisition Parameter

Source Type	ESI	Ion Polarity	Positive	Set Nebulizer	1.0 Bar
Focus	Not active			Set Dry Heater	200 °C
Scan Begin	50 m/z	Set Capillary	4500 V	Set Dry Gas	4.0 l/min
Scan End	1600 m/z	Set End Plate Offset	-500 V	Set Divert Valve	Waste

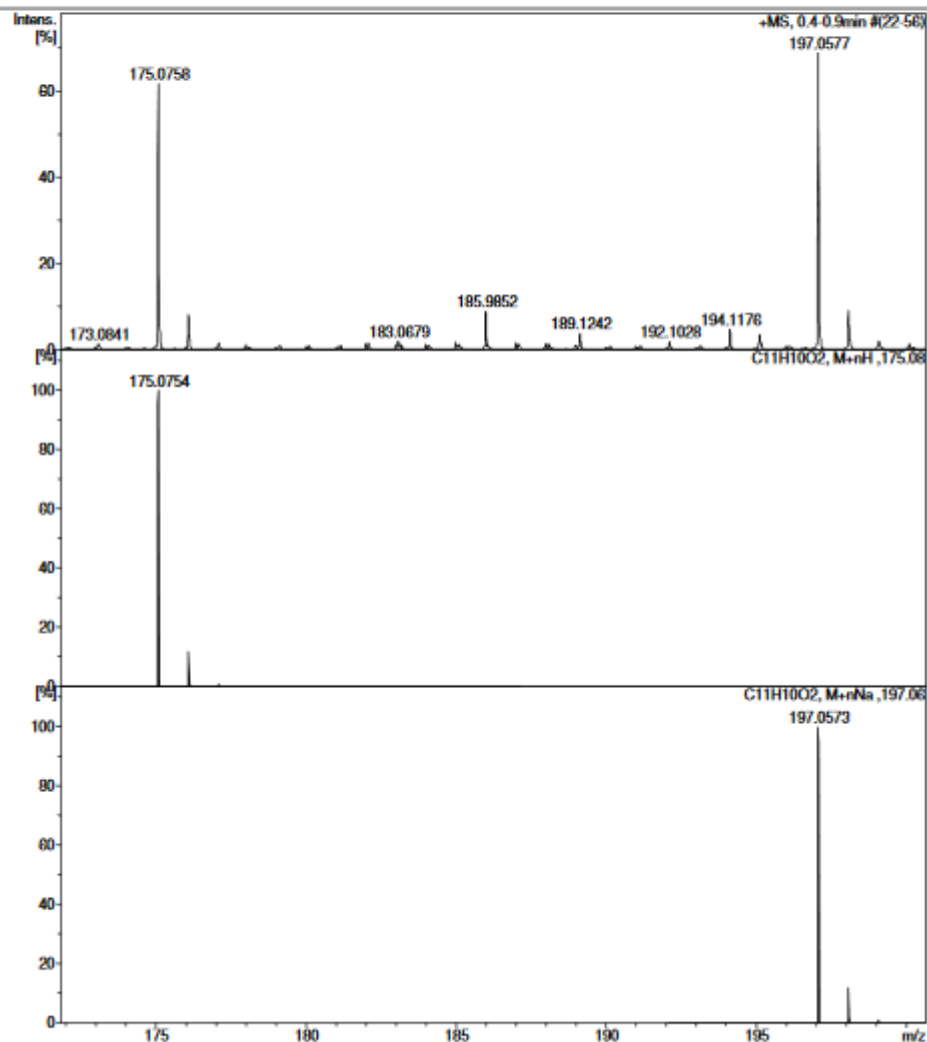


Figure S6. HRMS spectrum of benzocyclobutene-4-acrylic acid.

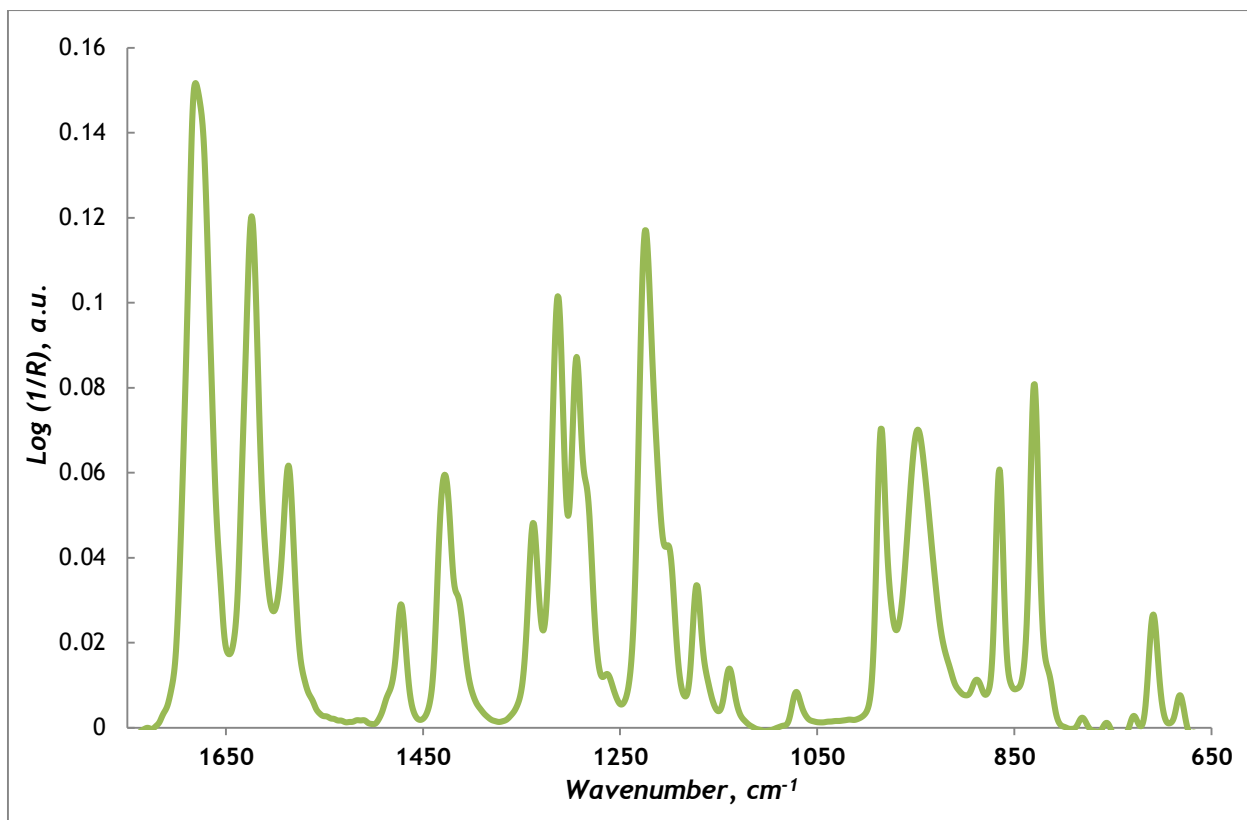


Figure S7. FTIR spectrum of benzocyclobutene-4-acrylic acid.

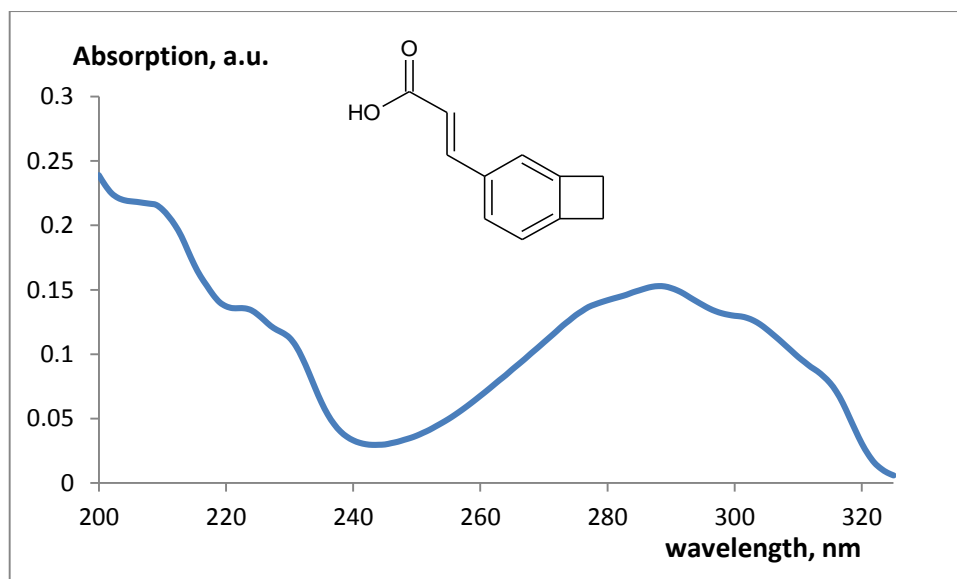


Figure S8. UV-vis spectrum of benzocyclobutene-4-acrylic acid in hexane.

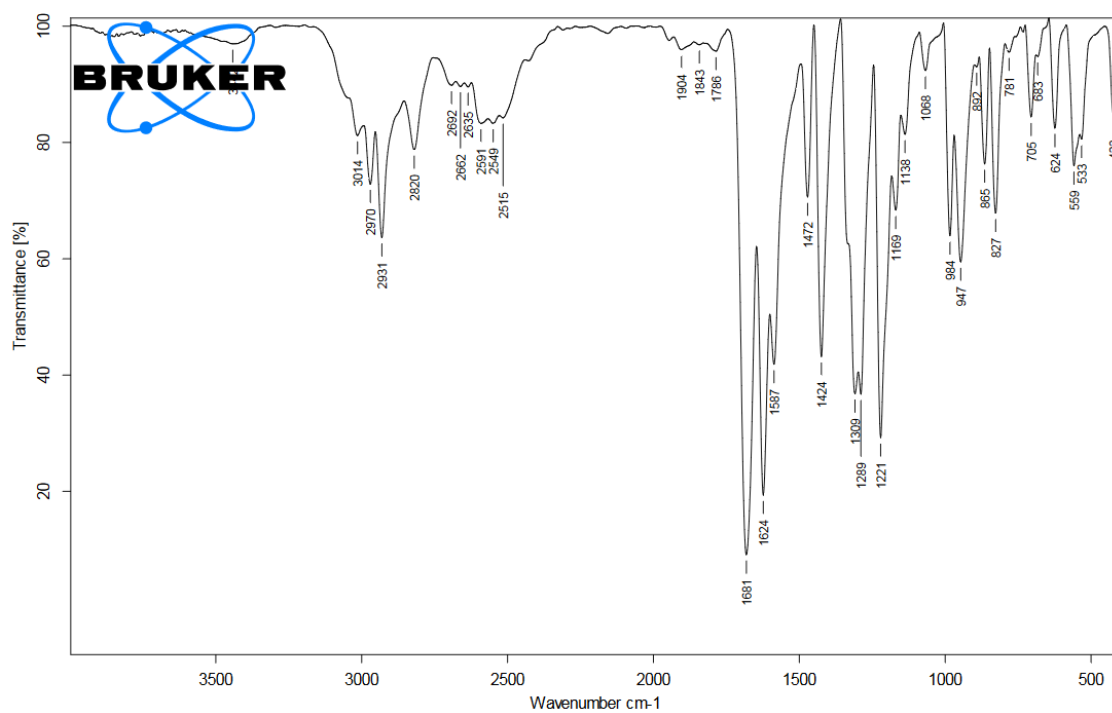


Figure S9. IR spectrum of benzocyclobutene-4-acrylic acid.

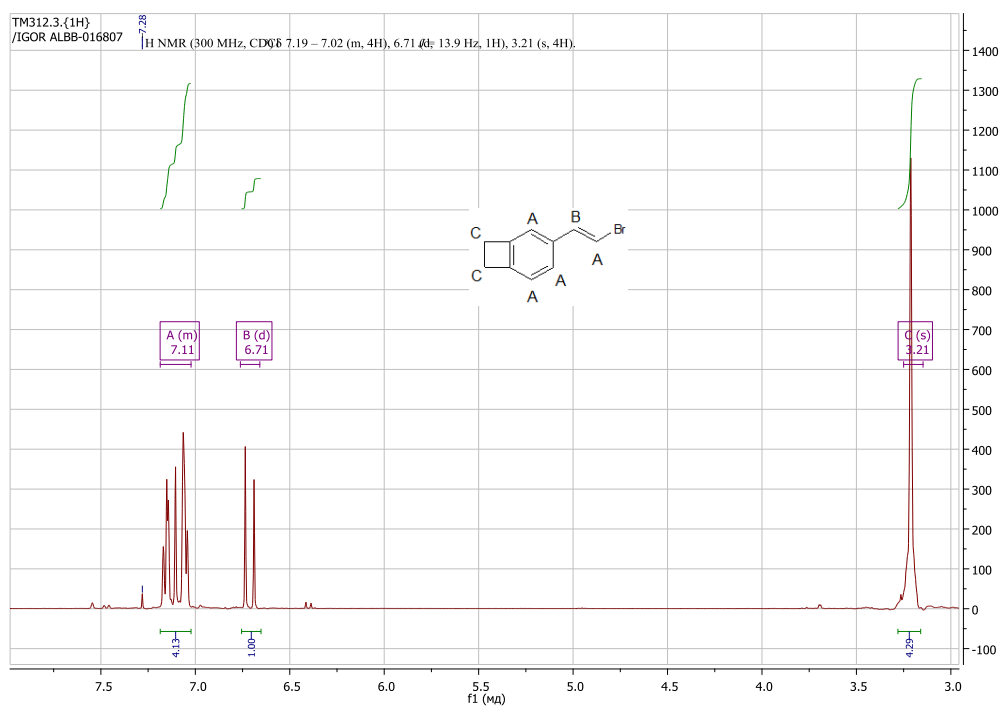


Figure S10. ^1H NMR of 3-(2-bromovinyl)benzocyclobutene.

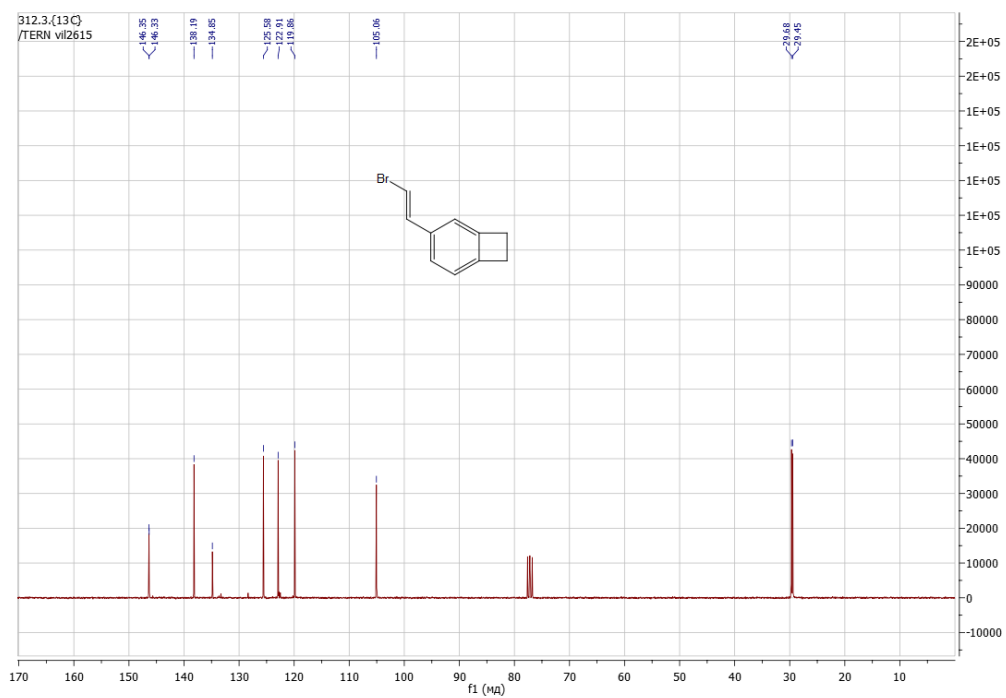


Figure S11. ^{13}C NMR spectrum of 3-(2-bromovinyl)benzocyclobutene.

Display Report

Analysis Info
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Method tune_50-1600.m
Sample Name /DEMEX SPEC312.3
Comment C₁₀H₉Br mH 208.9960 calibrant added

Acquisition Date 03.12.2019 18:13:02
Operator BDAI@DE
Instrument / Ser# micrOTOF 10248

Acquisition Parameter

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Scan End	1600 m/z	Set End Plate Offset	-500 V	Set Divert Valve	Waste

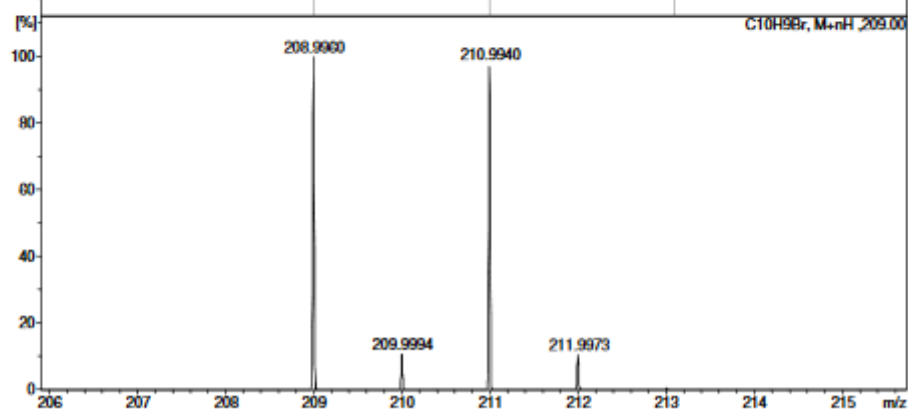
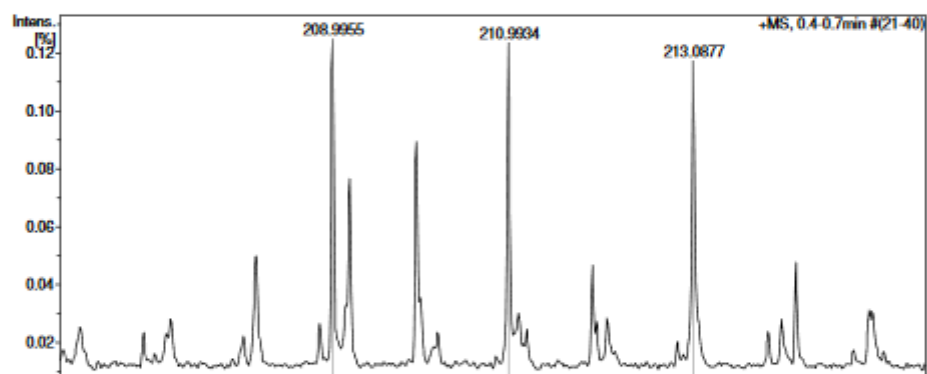
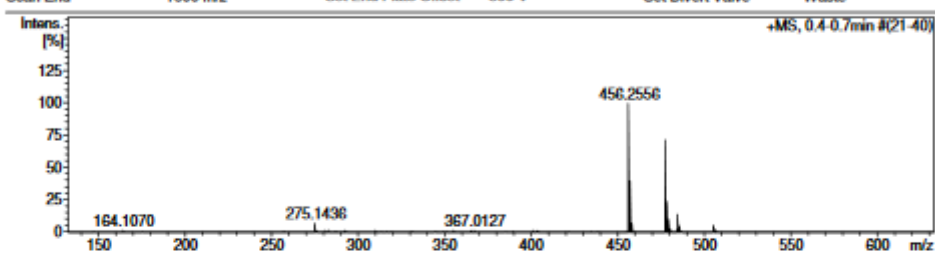


Figure S12. HRMS of 3-(2-Bromovinyl)benzocyclobutene.

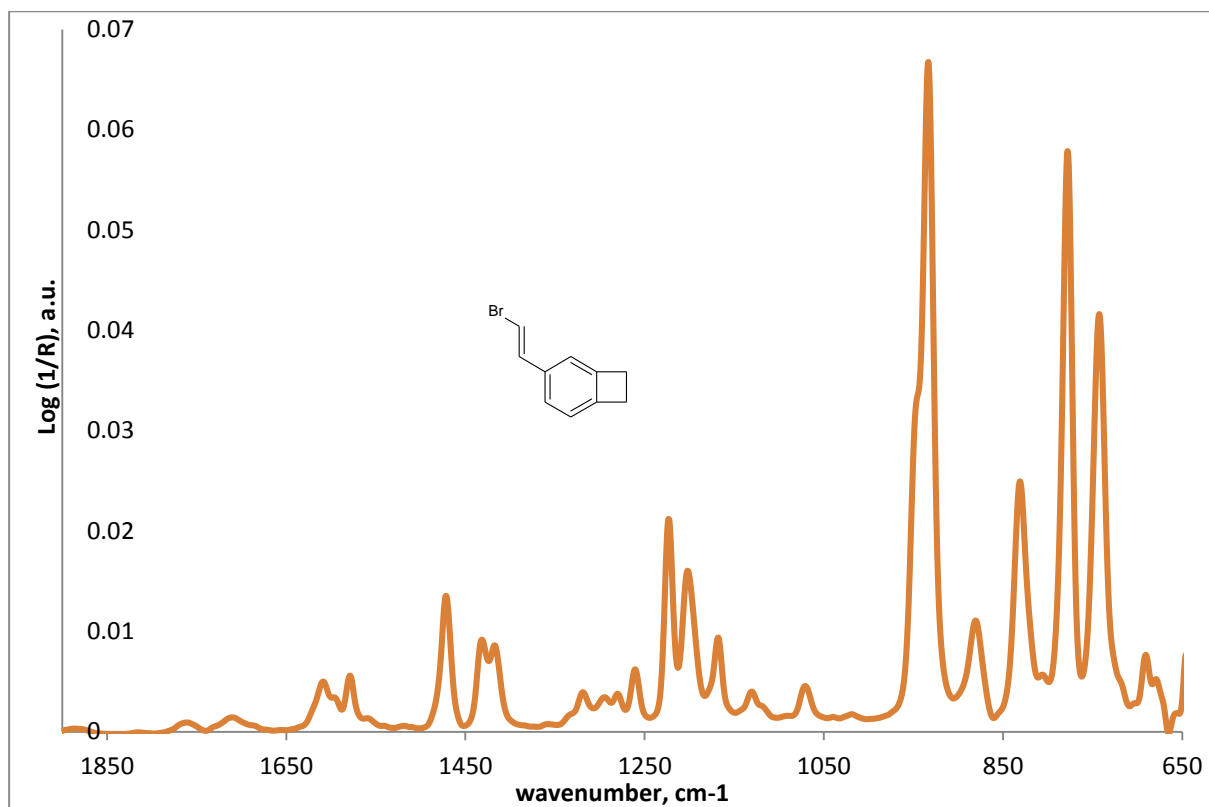


Figure S13. FTIR spectrum of 3-(2-bromovinyl)benzocyclobutene.

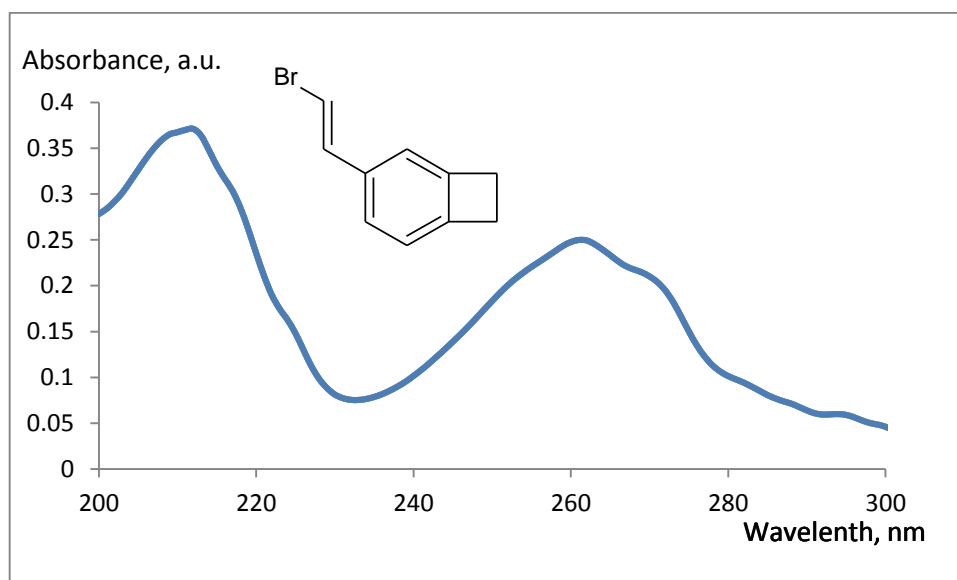
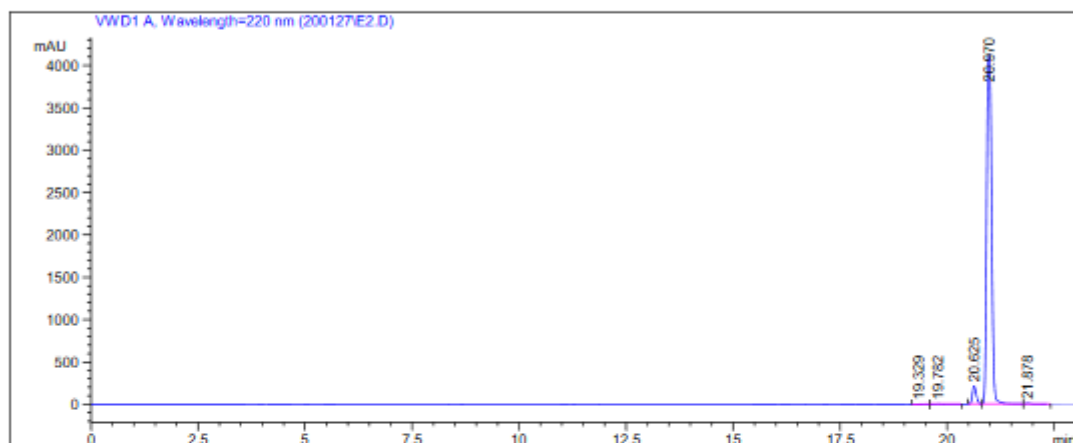


Figure S14. UV-vis spectrum of 4-(2-bromovinyl)benzocyclobutene in hexane.

Data File D:\DATA\200127\E2.D
Sample Name: E2

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Acq. Operator   :                               Seq. Line :    1
Acq. Instrument : Instrument 1                   Location  : Vial 92
Injection Date  : 1/27/2020 3:11:58 PM          Inj       :    1
                                                    Inj Volume: 2 µl

Acq. Method    : D:\METHODS\CHROM_ADC_PN.M
Last changed   : 1/27/2020 3:11:21 PM
Analysis Method: D:\METHODS\MULCHARGE.m
Last changed   : 1/27/2020 6:01:56 PM
Sample Info    : Column: Reprosil-Pur Basic C18 250*4.6 mm 5µm
                  A: H2O  0,01% tfa  B: MeCN 0,01% tfa
                  5-100 %B at 20min
=====
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Area Percent Report
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Sorted By : Signal
Multiplier : 1.0000
Dilution : 1.0000
Use Multiplier & Dilution Factor with ISTDs

Signal 1: WVD1 A, Wavelength=220 nm

Peak #	RetTime [min]	Type	Width [min]	Area mAU	Area %	Height [mAU]
1	19.329	MM	0.1532	16.64743	0.0482	1.81126
2	19.782	MM	0.2068	35.69121	0.1033	2.87627
3	20.625	MF	0.1040	1349.58411	3.9056	216.32349
4	20.970	MF	0.1337	3.30766e4	95.7220	4123.06152
5	21.878	FM	0.1524	76.32119	0.2209	8.34774

Totals : 3.45549e4 4352.42028

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*** End of Report ***

Figure S15. HPLC data on 4-(2-bromovinyl)benzocyclobutene.