

Bicyclo[4.2.0]octa-1,3,5-trien-3-yl-dimethyl((*E*)-styryl)-silane

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Supplementary Materials

The ¹H NMR data of compound **6** are in accordance with previously obtained [1].

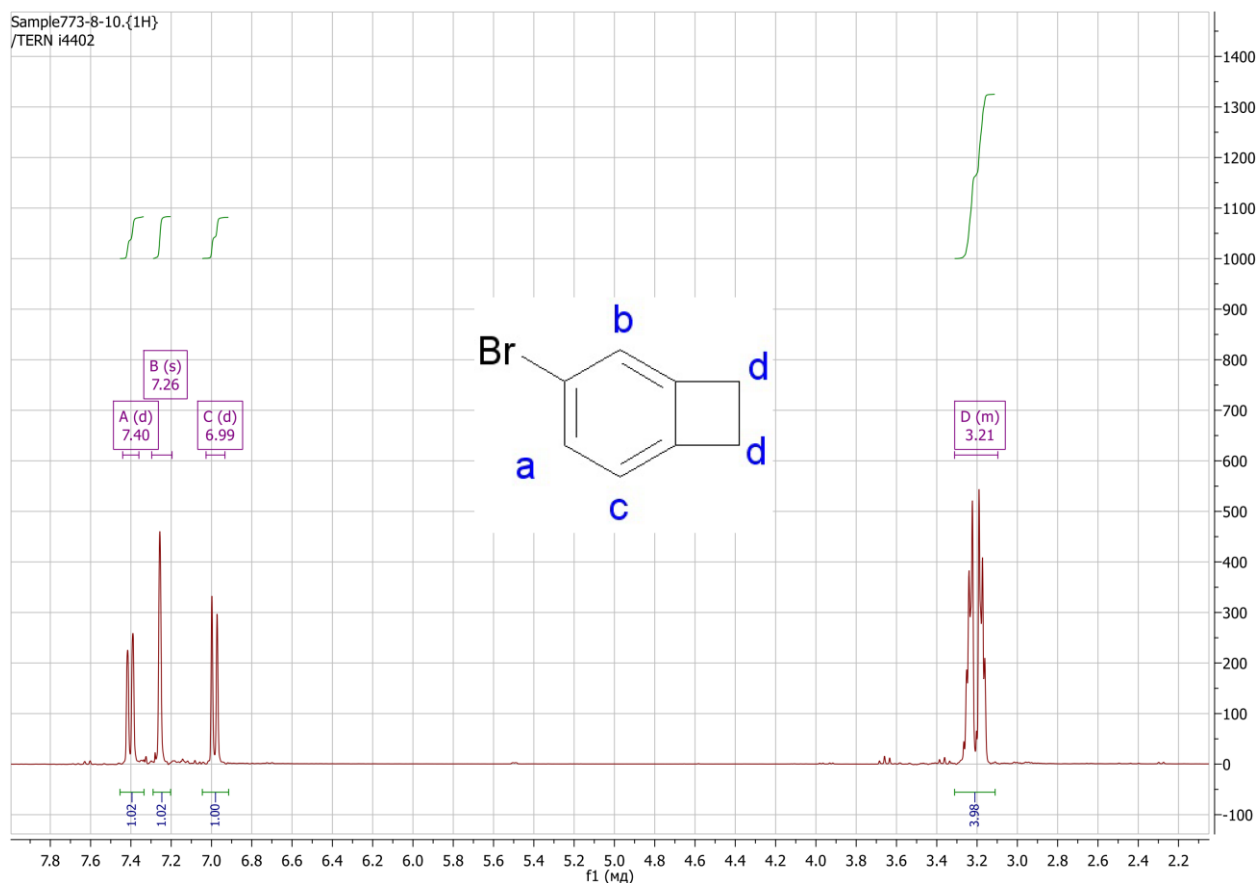


Figure S1. ¹H NMR of compound **6**, 4-Bromobenzocyclobutene.

The ^1H NMR data of compound **3** are in accordance with previously obtained [2].

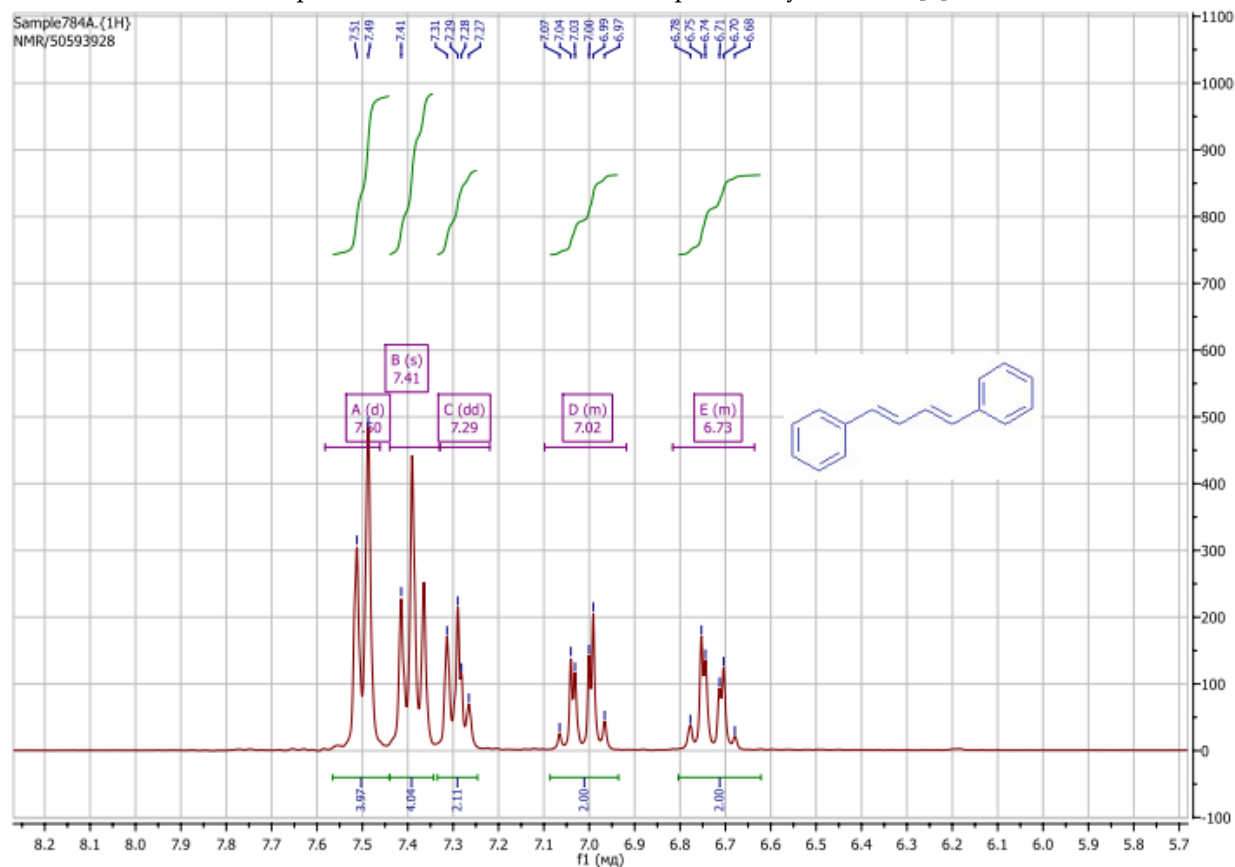


Figure S2. ^1H NMR of compound **3**, 1,4-diphenylbutadiene.

The ^1H NMR data of compound **4** are in accordance with previously obtained [3].

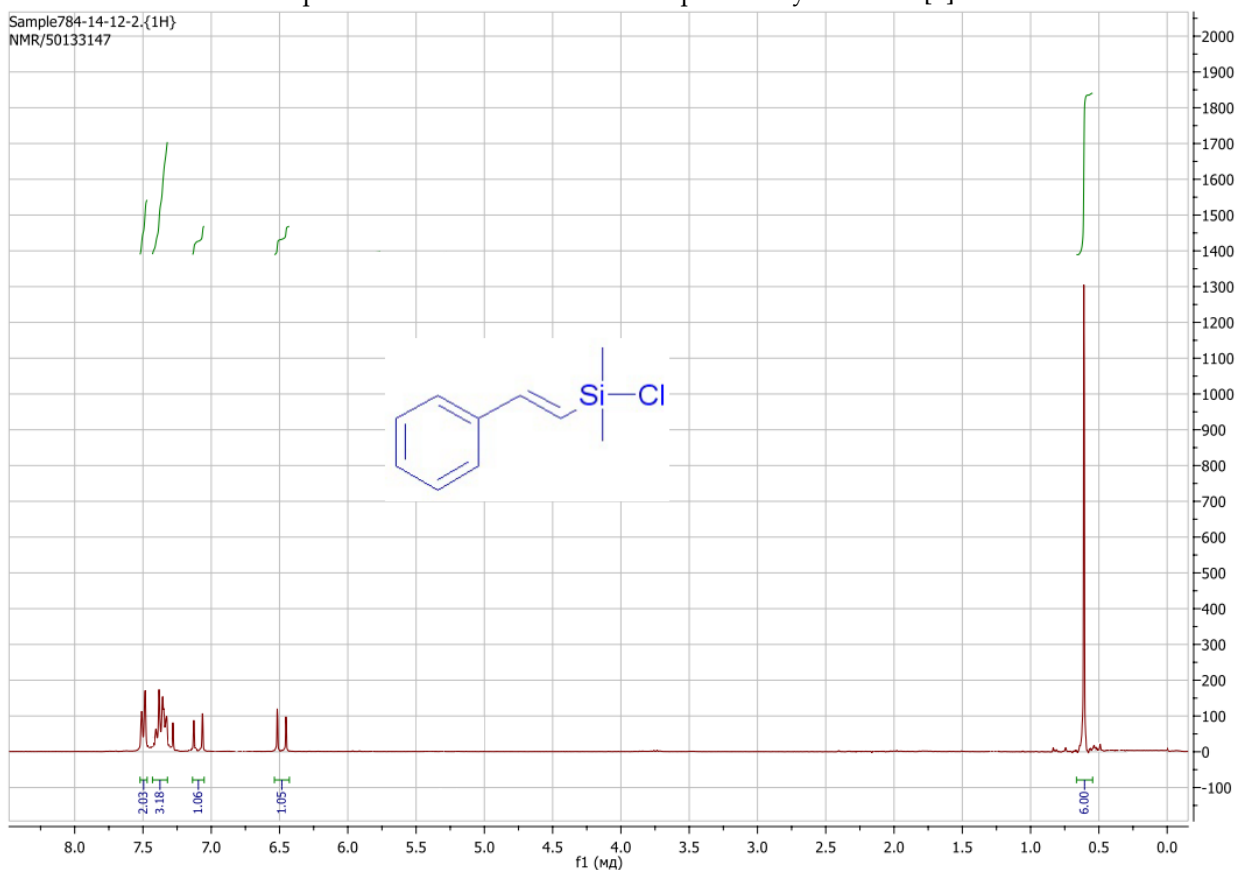


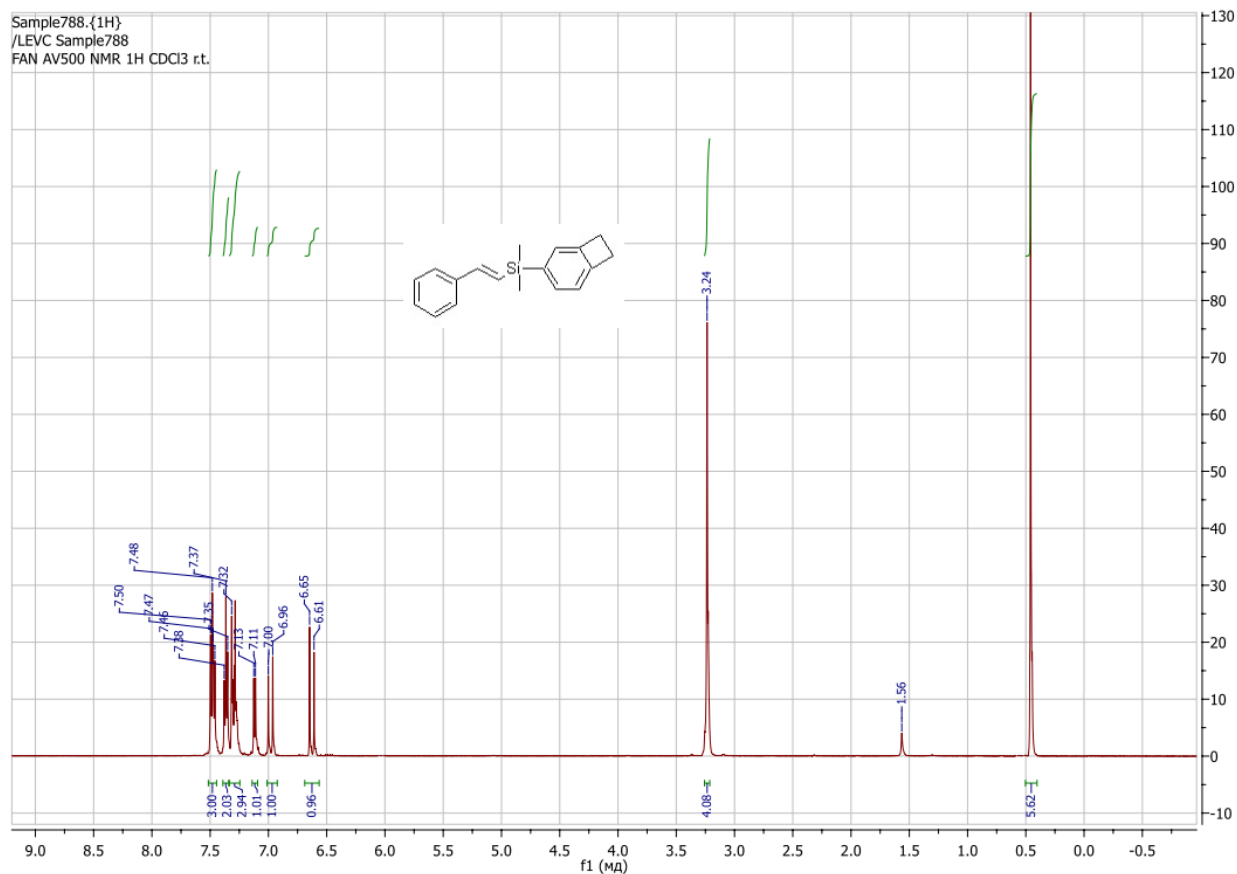
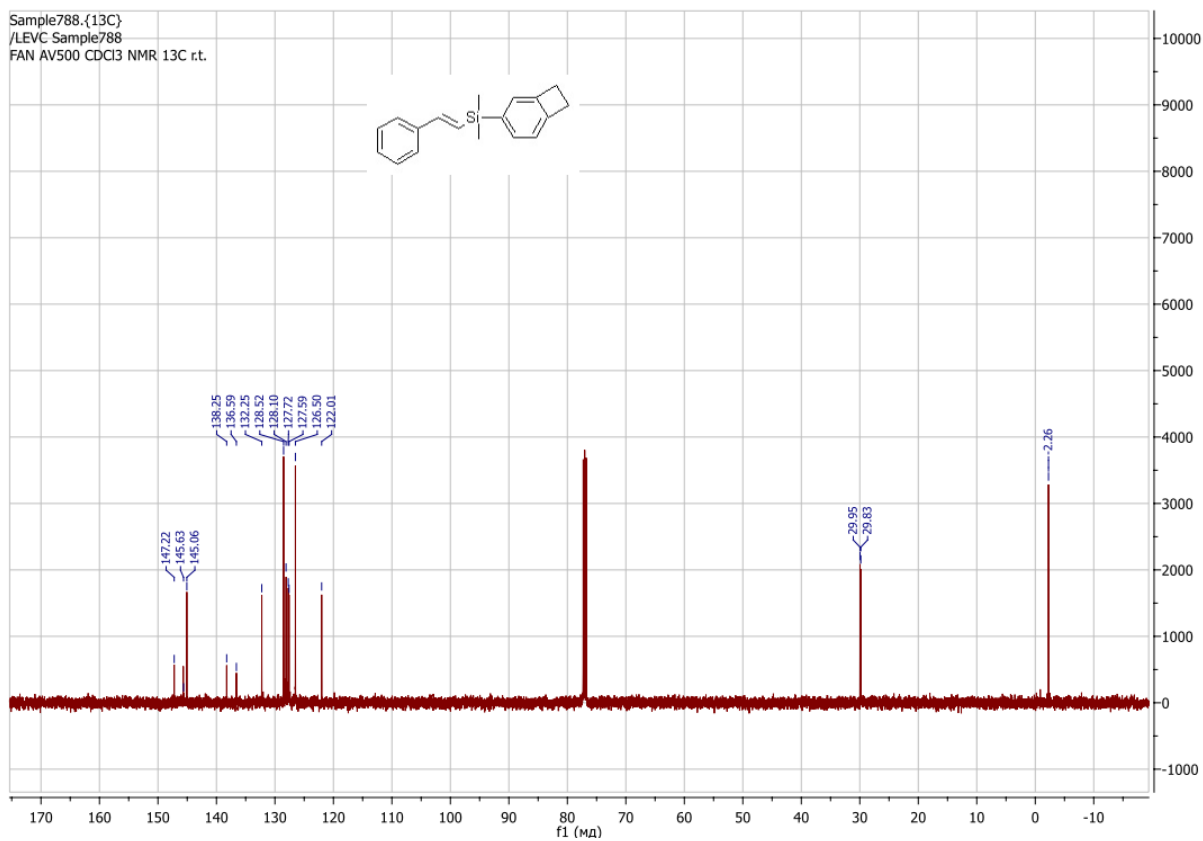
Figure S3. ^1H NMR of compound 4, chloro-dimethyl-((E)-styryl)-silane.**Figure S4.** ^1H NMR of compound 7, Bicyclo[4.2.0]octa-1,3,5-trien-3-yl-dimethyl((E)-styryl)-silane(BCB-KS).

Figure S5. ^{13}C NMR of compound 7, Bicyclo[4.2.0]octa-1,3,5-trien-3-yl-dimethyl((E)-styryl)-silane(BCB-KS).

Display Report

Analysis Info

Analysis Name D:\Data\Kolotyrkina\2018\Levchenko\1210011.d
Method tune_100-1200_APCI.m
Sample Name /LEVC 788
Comment C18H20Si mH 265.1407

Acquisition Date 10.12.2018 13:19:05

Operator BDAL@DE
Instrument maXis 43

Acquisition Parameter

Source Type	APCI	Ion Polarity	Positive	Set Nebulizer	2.0 Bar
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Scan End	1500 m/z	Set Collision Cell RF	1200.0 Vpp	Set Divert Valve	Waste

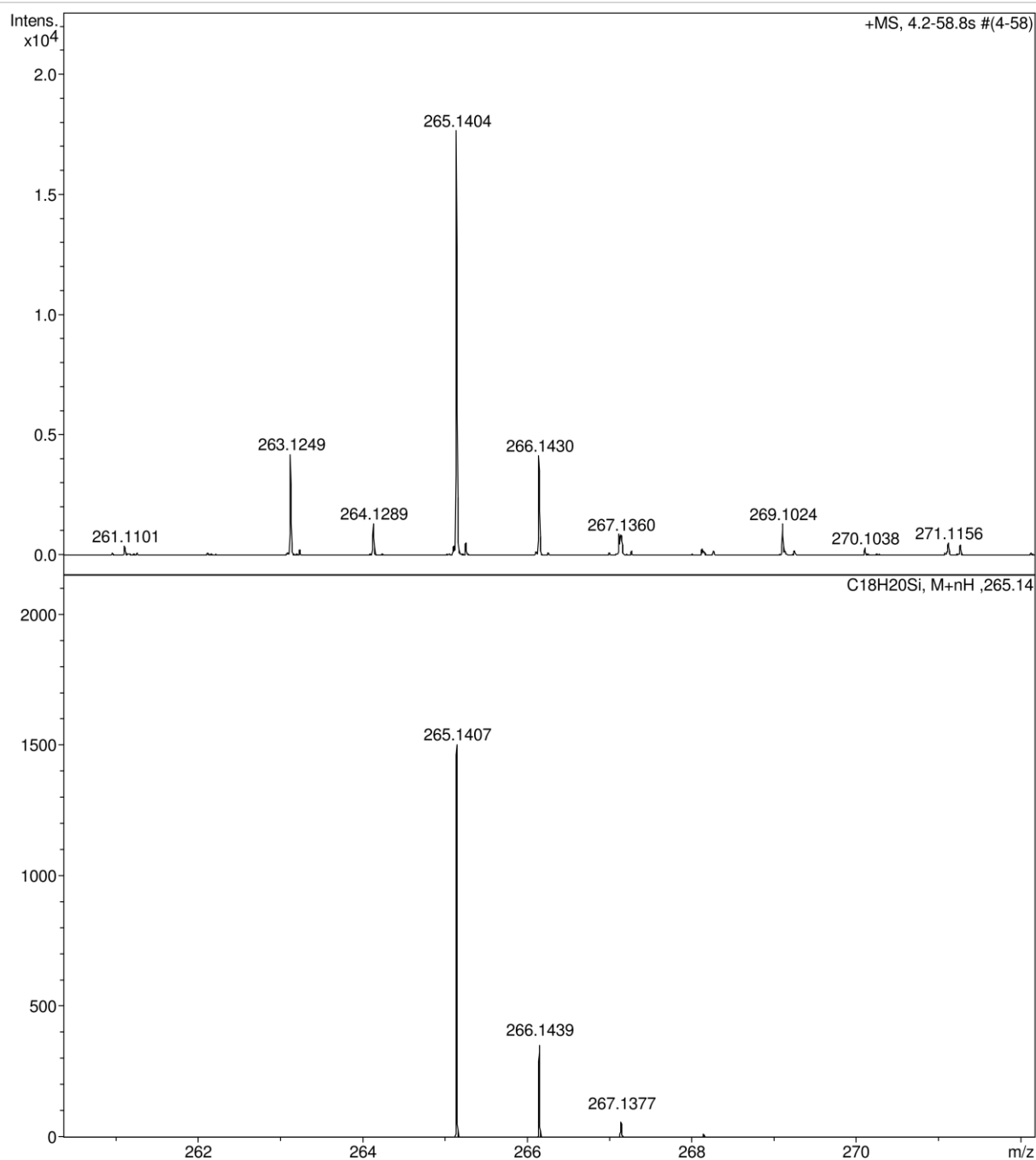


Figure S6. HRMS of compound 7, Bicyclo[4.2.0]octa-1,3,5-trien-3-yl-dimethyl((E)-styryl)-silane(BCB-KS).

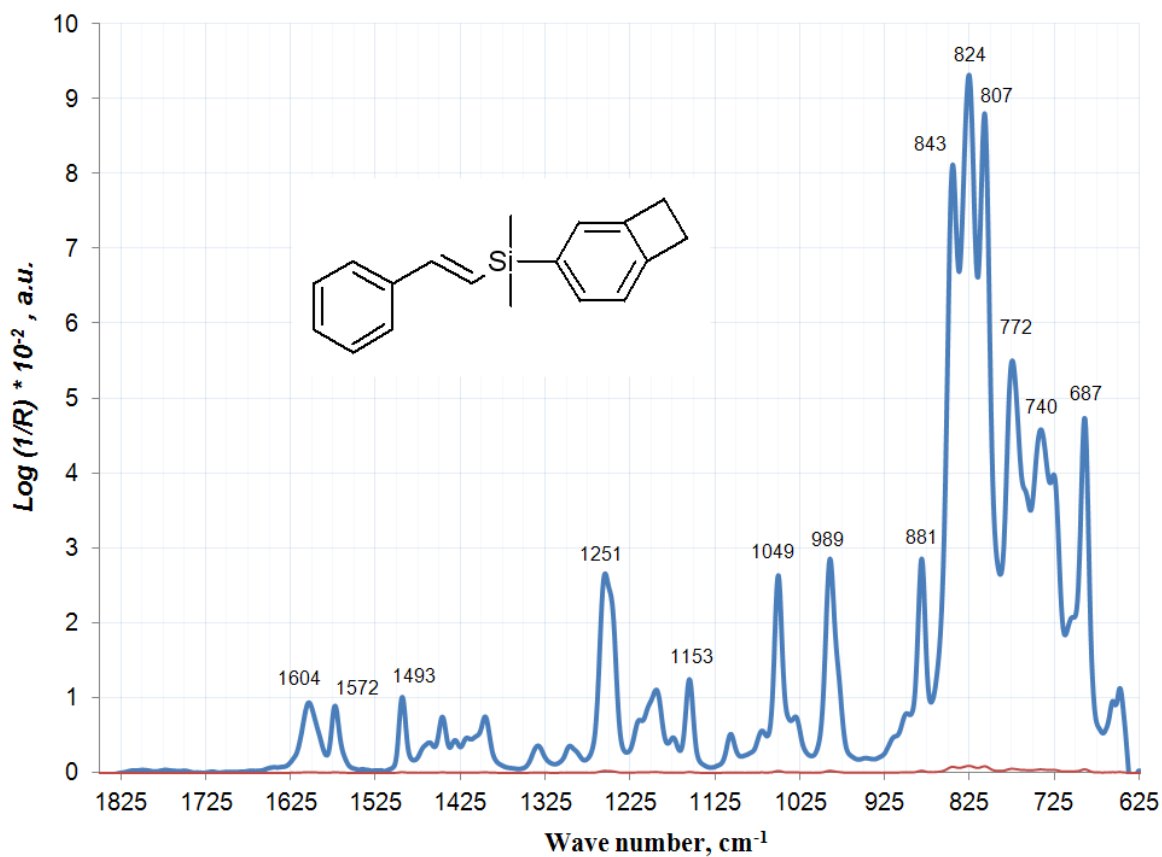


Figure S7. FTIR of compound 7, Bicyclo[4.2.0]octa-1,3,5-trien-3-yl-dimethyl((E)-styryl)-silane(BCB-KS).

References

1. Roth, M.; Ahles, M.; Gawrisch, C.; Schwalm, T.; Schmechel, R.; Melzer, C.; von Seggern, H.; Rehahn, M. Rodlike Tetracene Derivatives. *Chem. Eur. J.* **2017**, *23*, 13445–13454, doi:10.1002/chem.201702382.
2. Zhong, Z.; Wang, Z.-Y.; Ni, S.-F.; Dang, L.; Lee, H.K.; Peng, X.-S.; Wong, H.N.C. Ligand-Free Iron-Catalyzed Carbon(sp²)-Carbon(sp²) Oxidative Homo-Coupling of Alkenyllithiums. *Org. Lett.* **2019**, *21*, 700–704, doi:10.1021/acs.orglett.8b03893.
3. Chauhan, B.P.S.; Sarkar, A. Functionalized vinylsilanes via highly efficient and recyclable Pt-nanoparticle catalysed hydrosilylation of alkynes. *Dalton Trans.* **2017**, *46*, 8709–8715, doi:10.1039/c7dt00544j.