

Supporting Information for

***New mono- and diethynylsiloxysilsesquioxanes -
efficient procedures for their synthesis***

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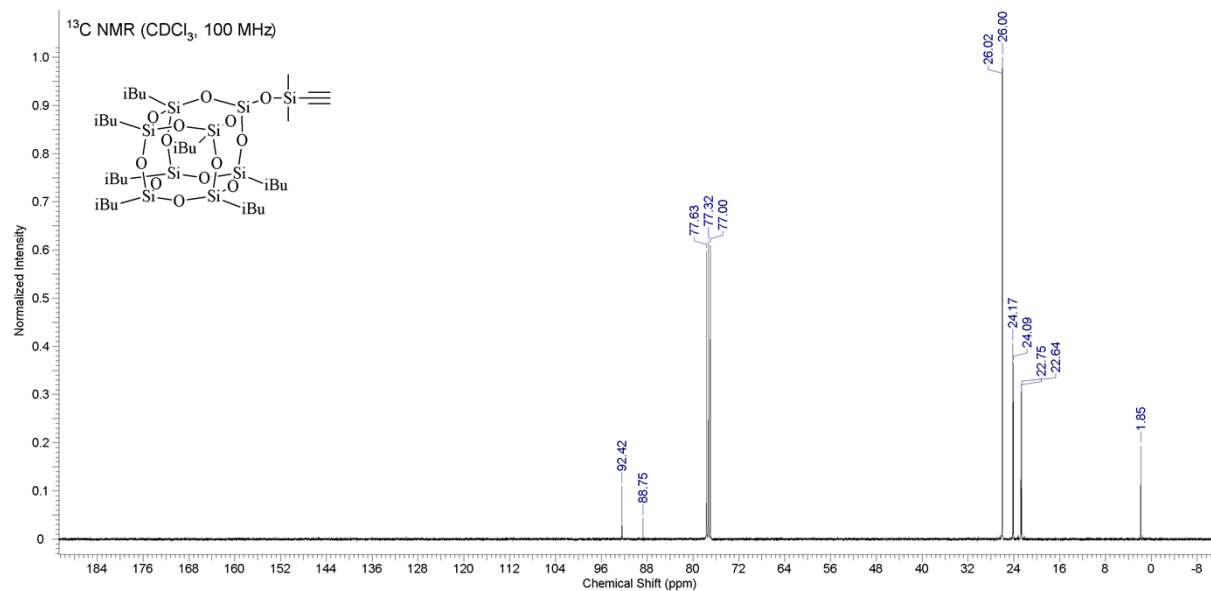
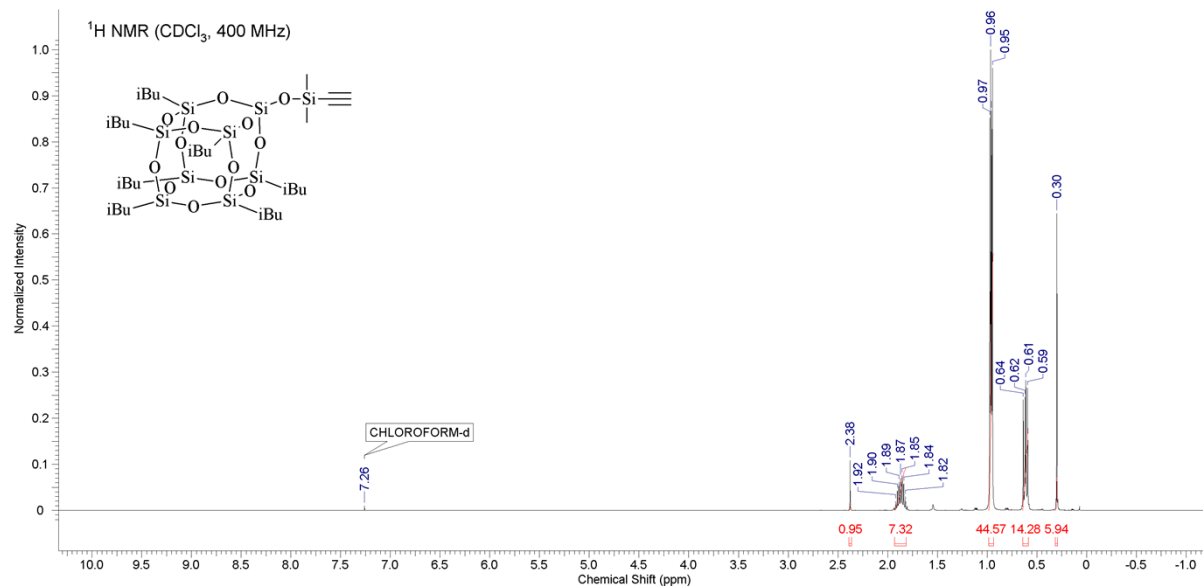
Copies of ¹H, ¹³C, ²⁹Si NMR spectra for all compounds

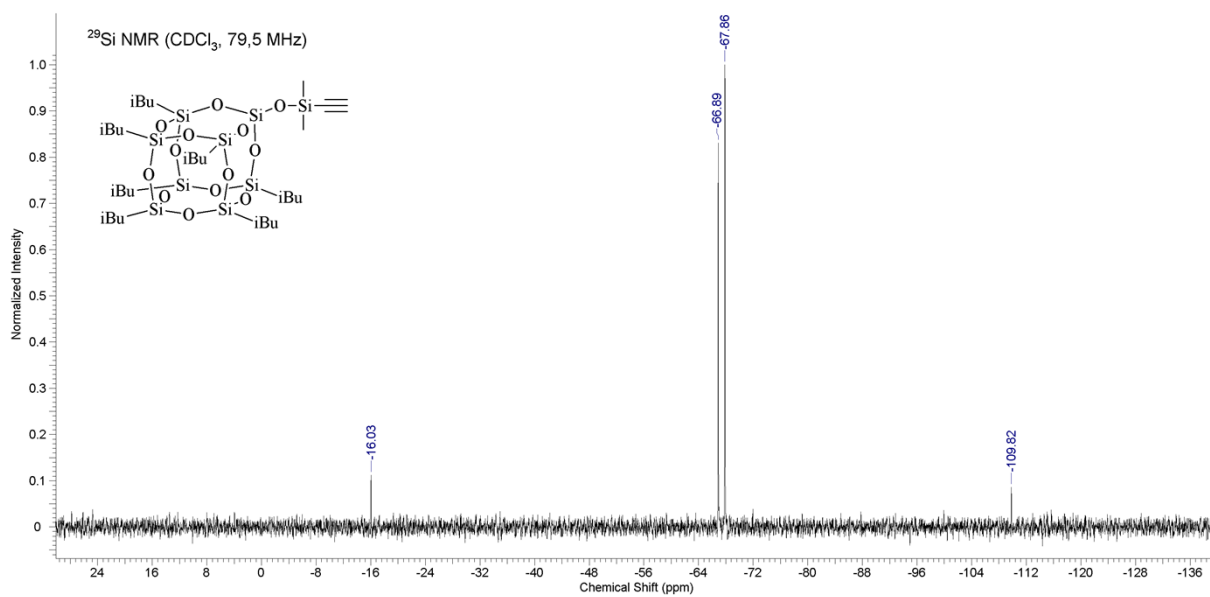
... S -2-

²⁹Si NMR spectra of 6B-7

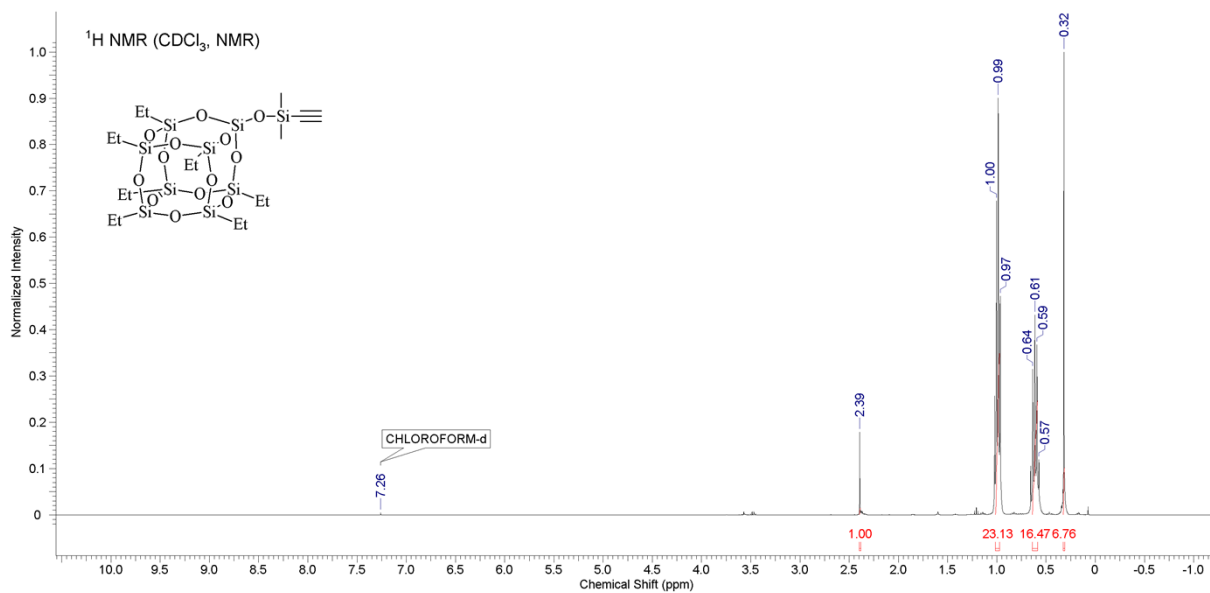
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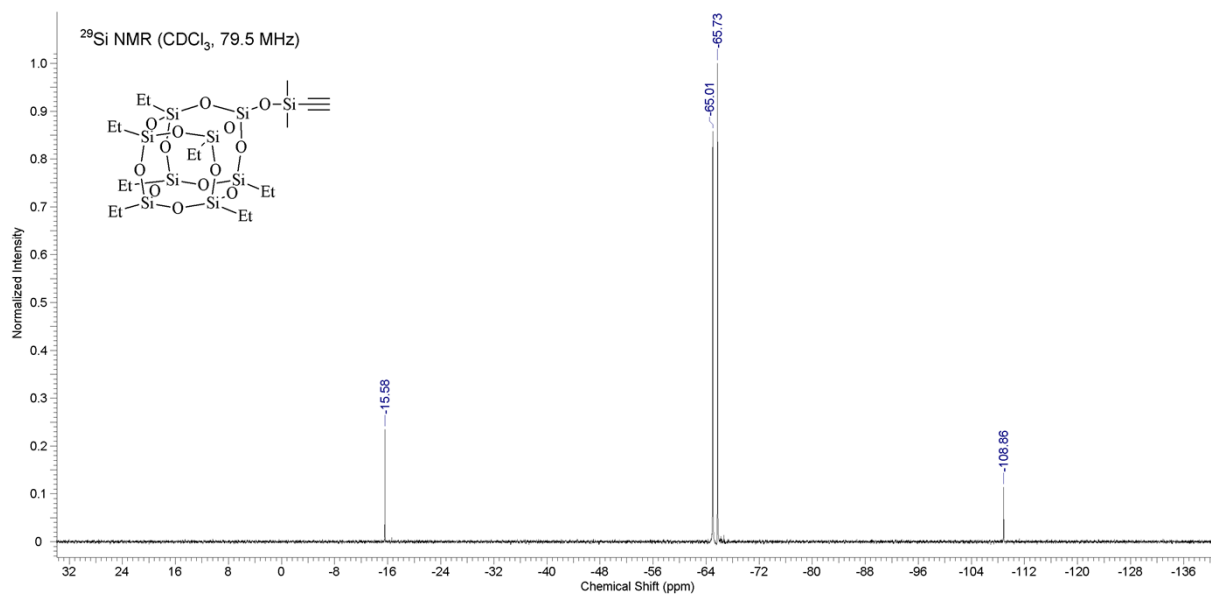
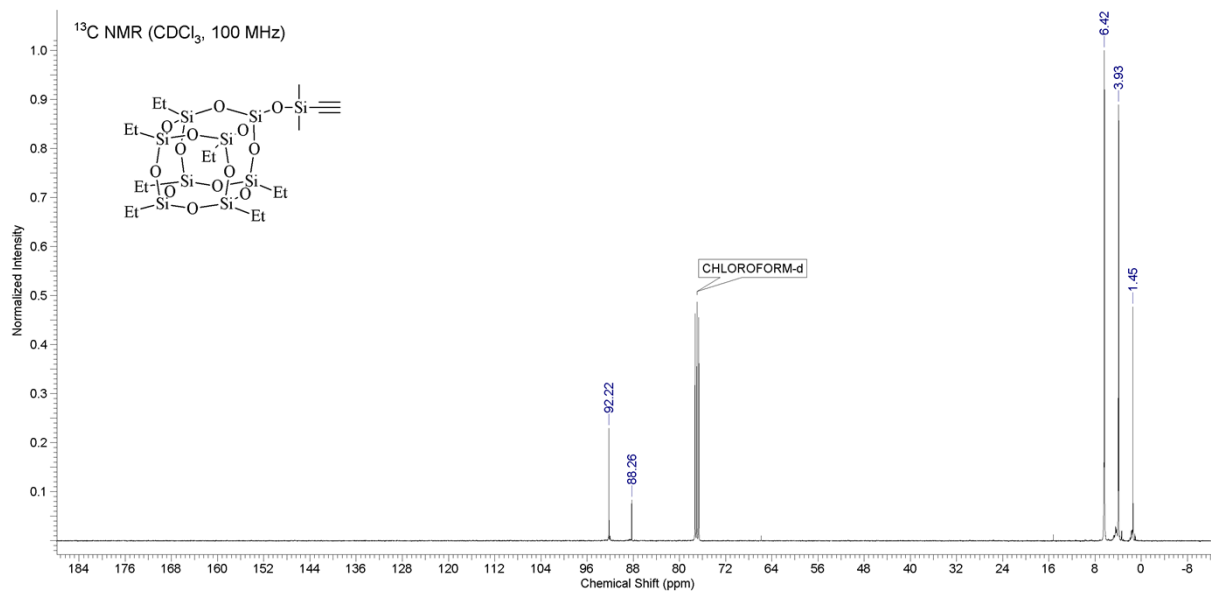
1-ethynyldimethylsiloxyl-3,5,7,9,11,13,15-hepta(isobutyl)pentacyclo[9.5.1.1^{3,9}.1^{5,15}.1^{7,13}]octasiloxane (6A-1)



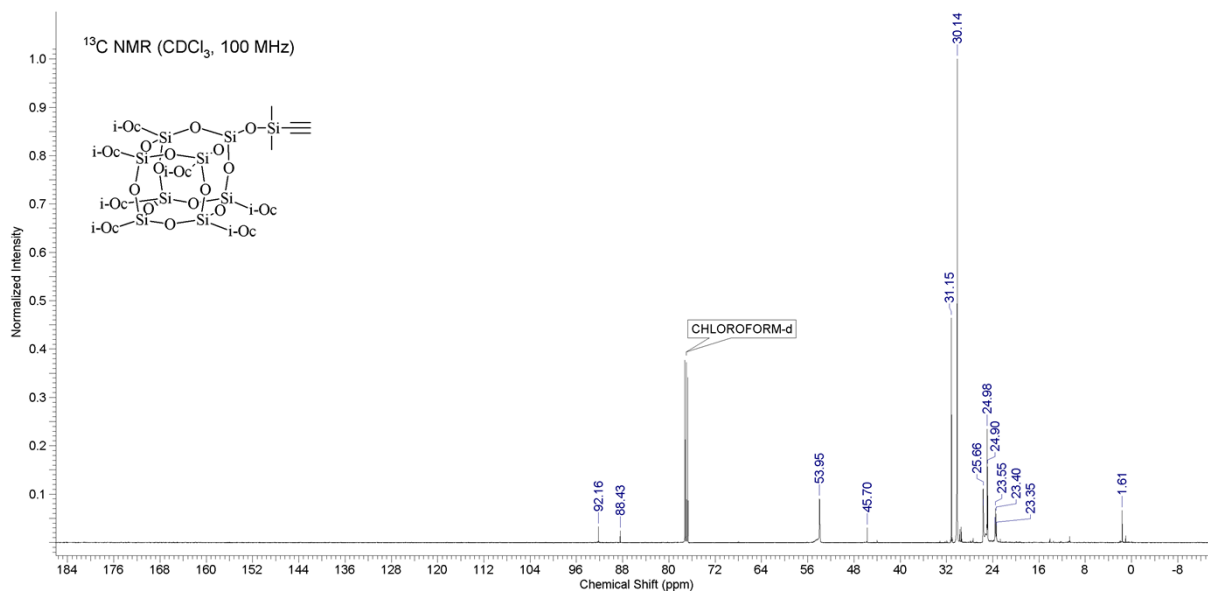
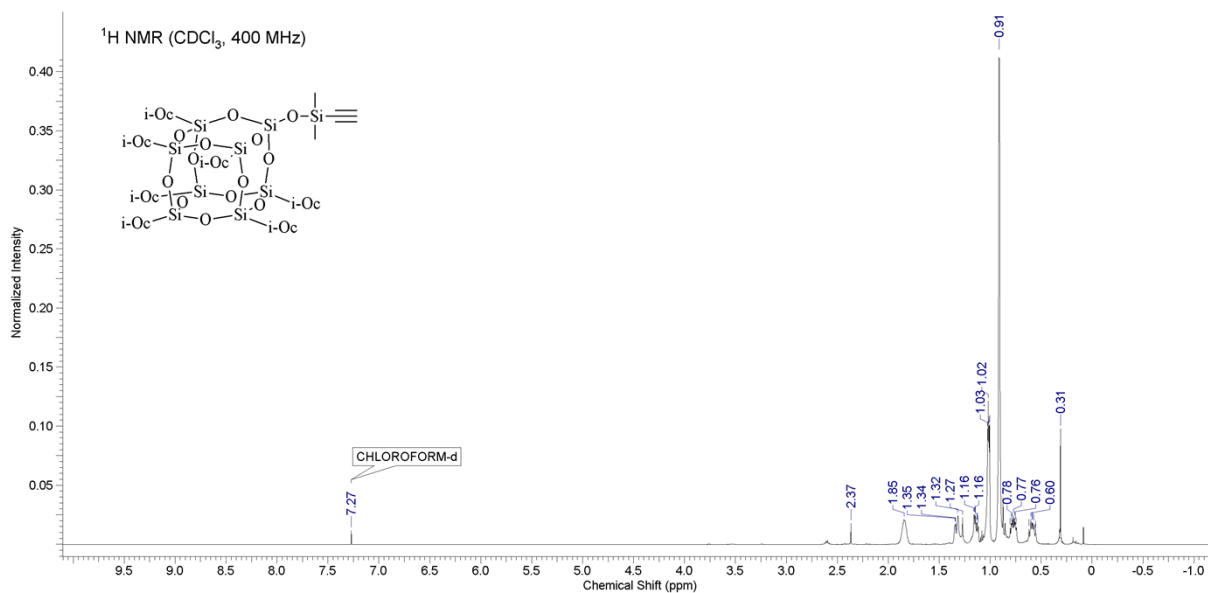


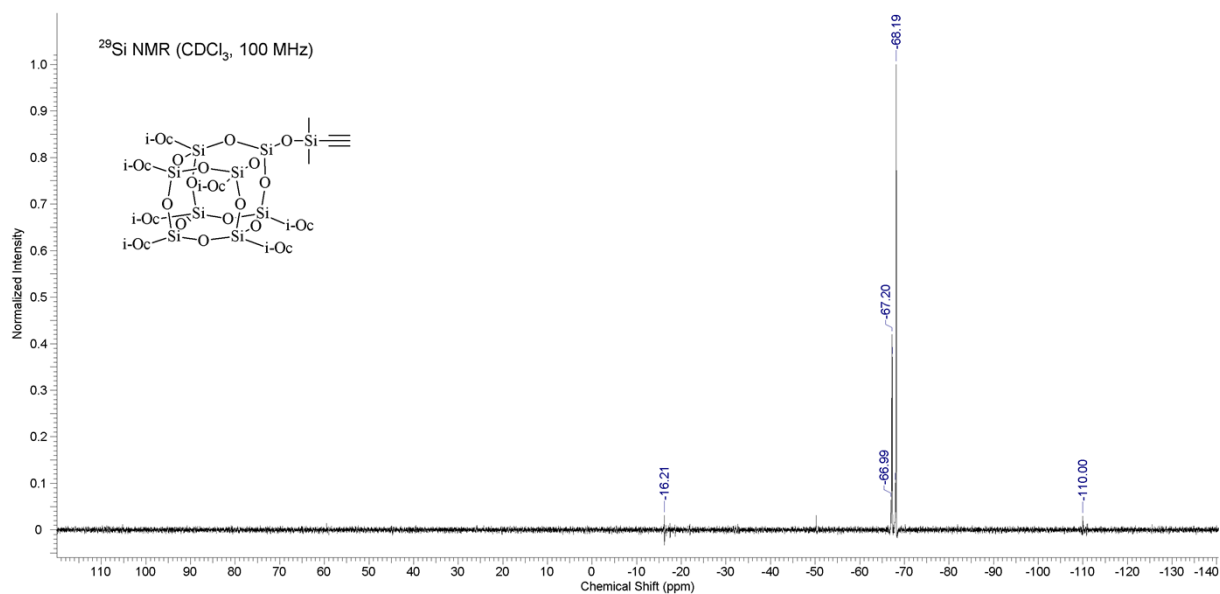
1-ethynyldimethylsiloxyl-3,5,7,9,11,13,15-hepta(ethyl)pentacyclo-[9.5.1.1^{3,9}.1^{5,15}.1^{7,13}]octasiloxane (6A-2)



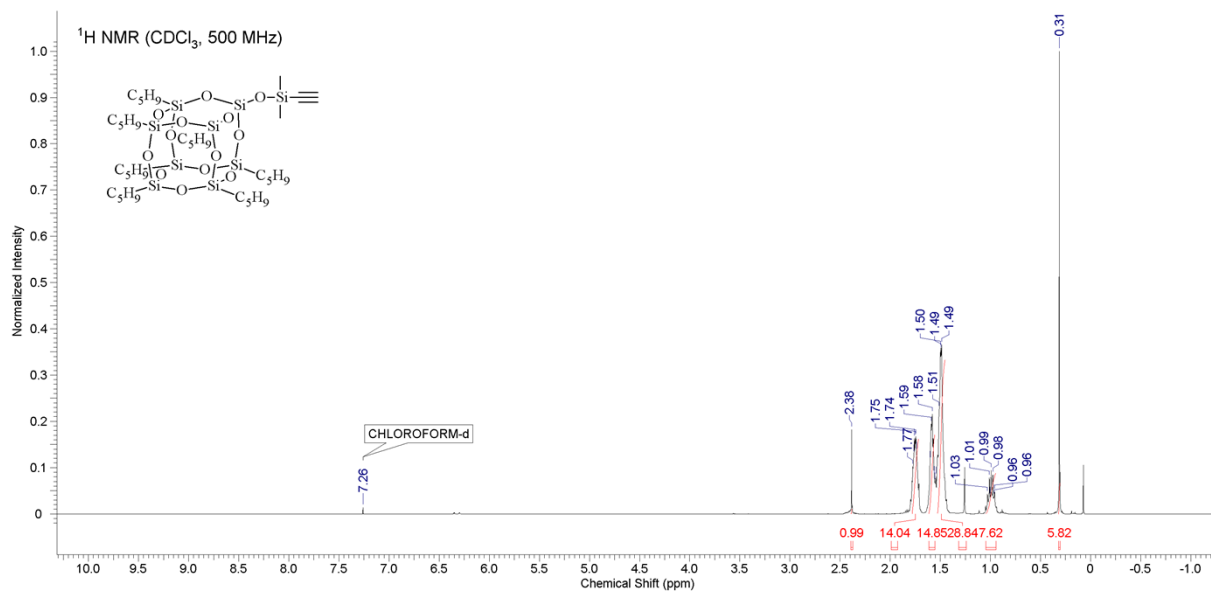


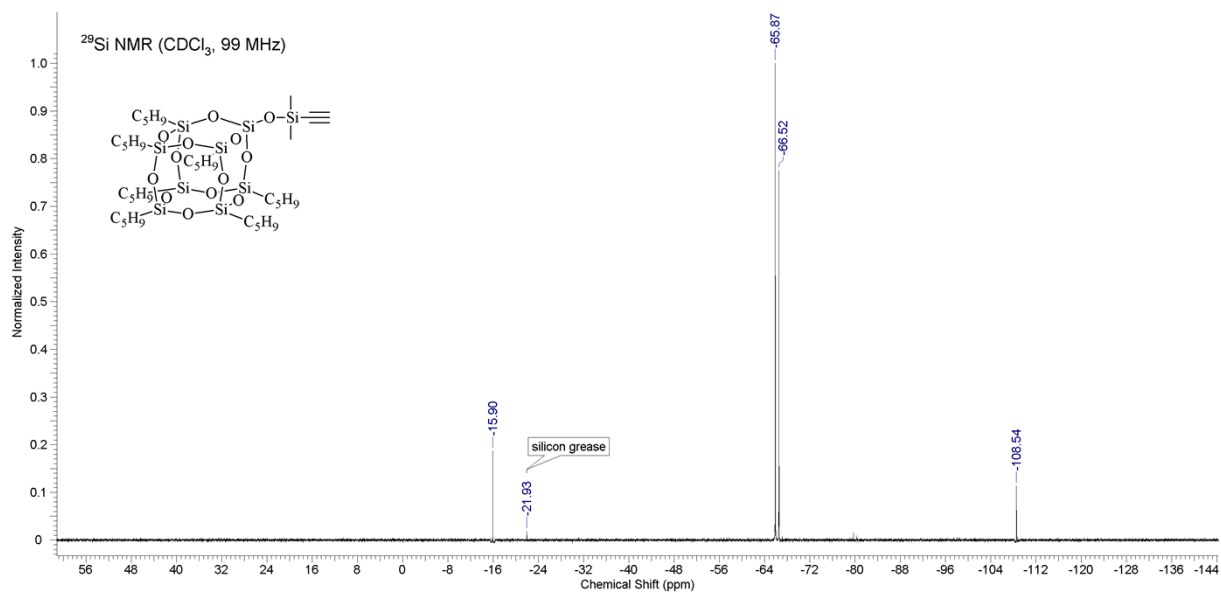
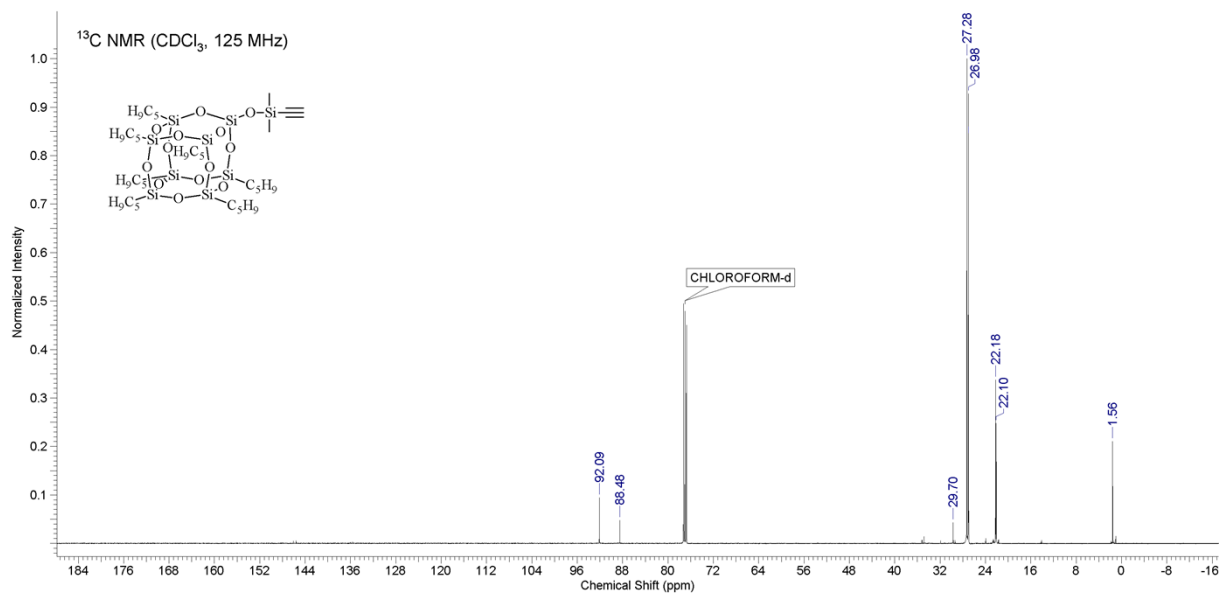
**1-ethynyldimethylsiloxy-3,5,7,9,11,13,15-hepta(isooctyl)pentacyclo[9.5.1.1^{3,9}.1^{5,15}.1^{7,13}]octasiloxane
(6A-3)**





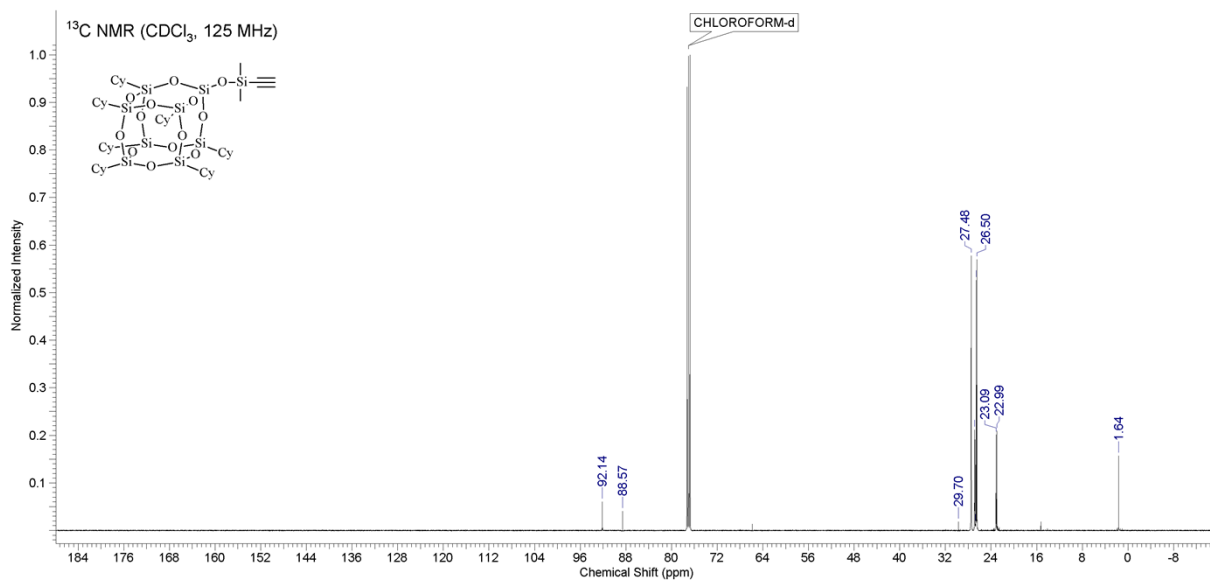
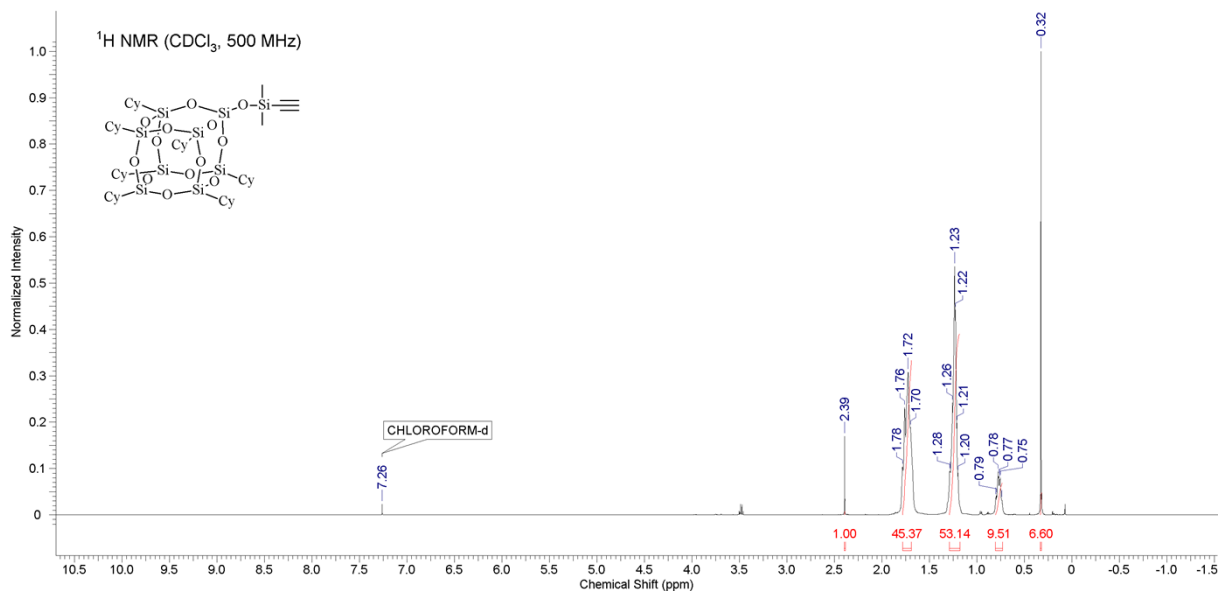
1-ethynyldimethylsiloxo-3,5,7,9,11,13,15-hepta(cyclopentyl)pentacyclo[9.5.1.1^{3,9}.1^{5,15}.1^{7,13}]octasiloxane (6A-4)

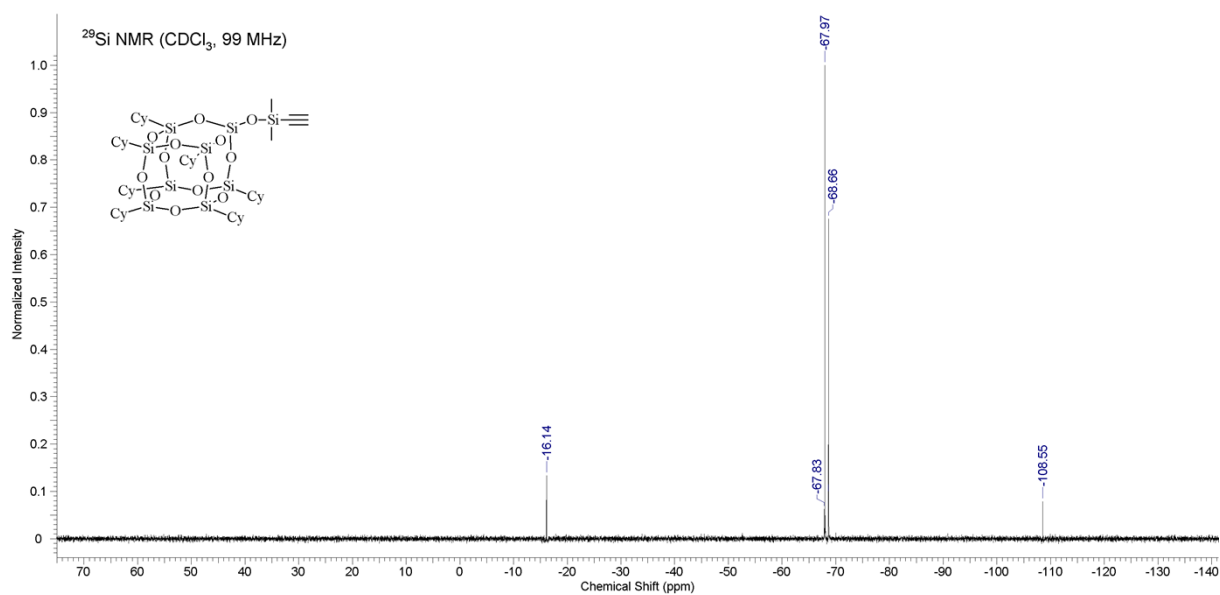




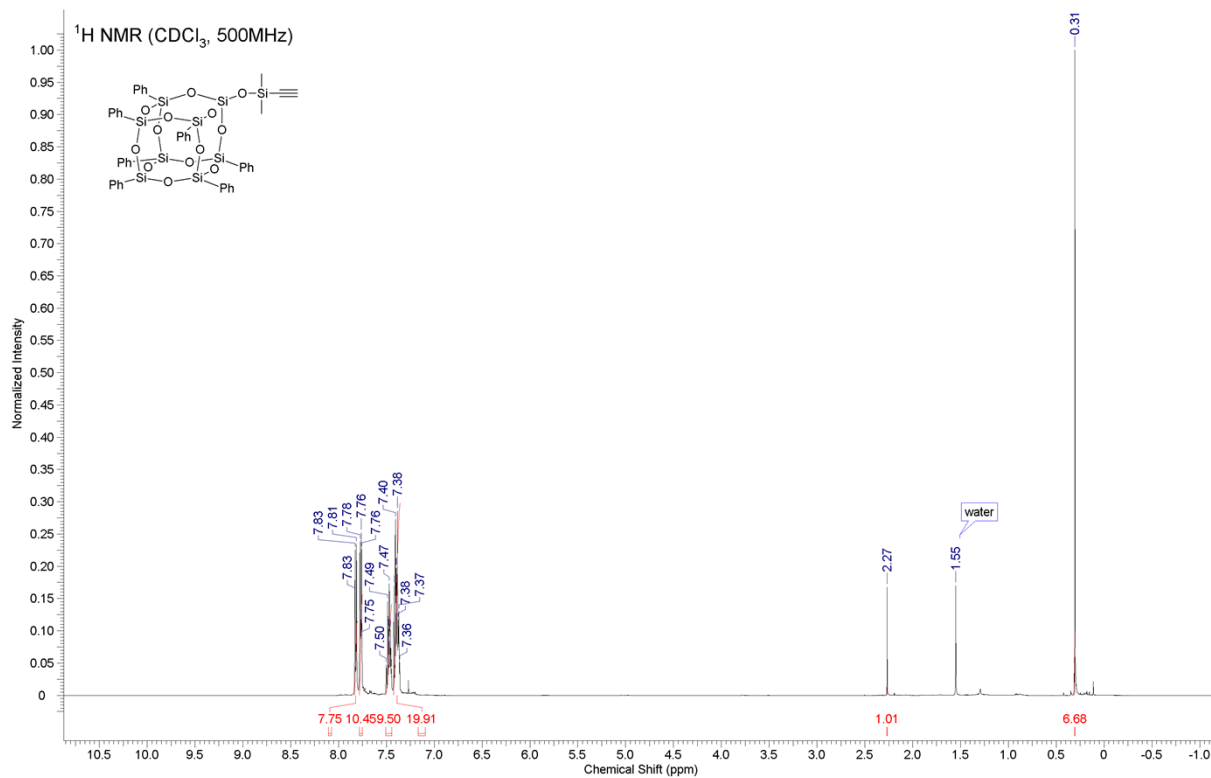
1-ethynyldimethylsiloxy-3,5,7,9,11,13,15-hepta(cyclohexyl)pentacyclo[9.5.1.1^{3,9}.1^{5,15}.1^{7,13}]octasiloxane (6A-5)

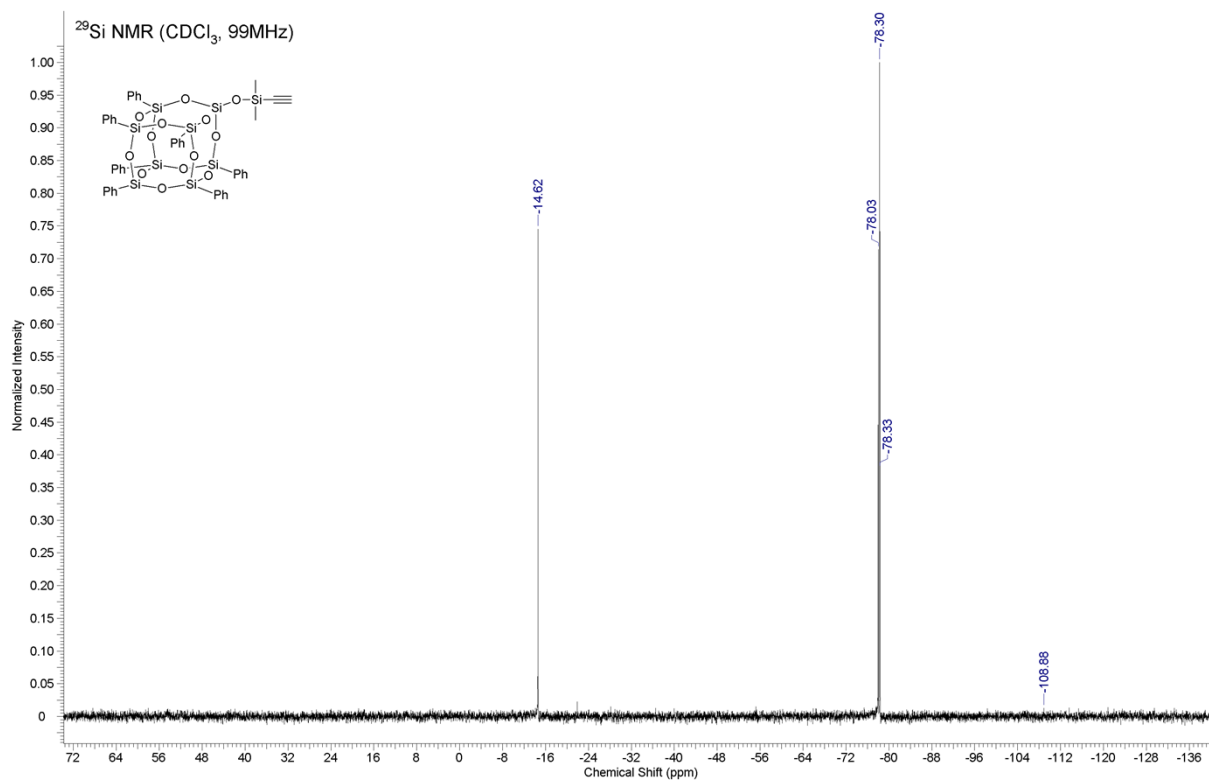
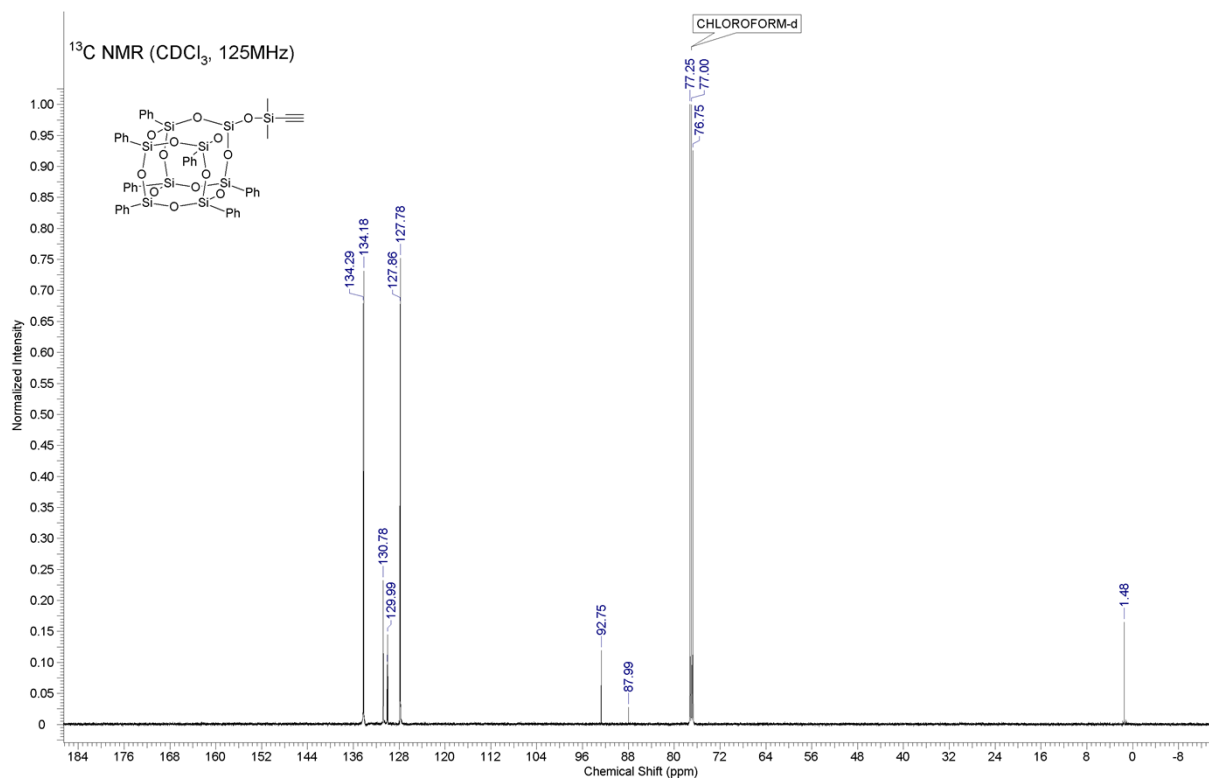
Note: There are residual silgnals on ¹H and ¹³C NMR deriving from diethyl ether



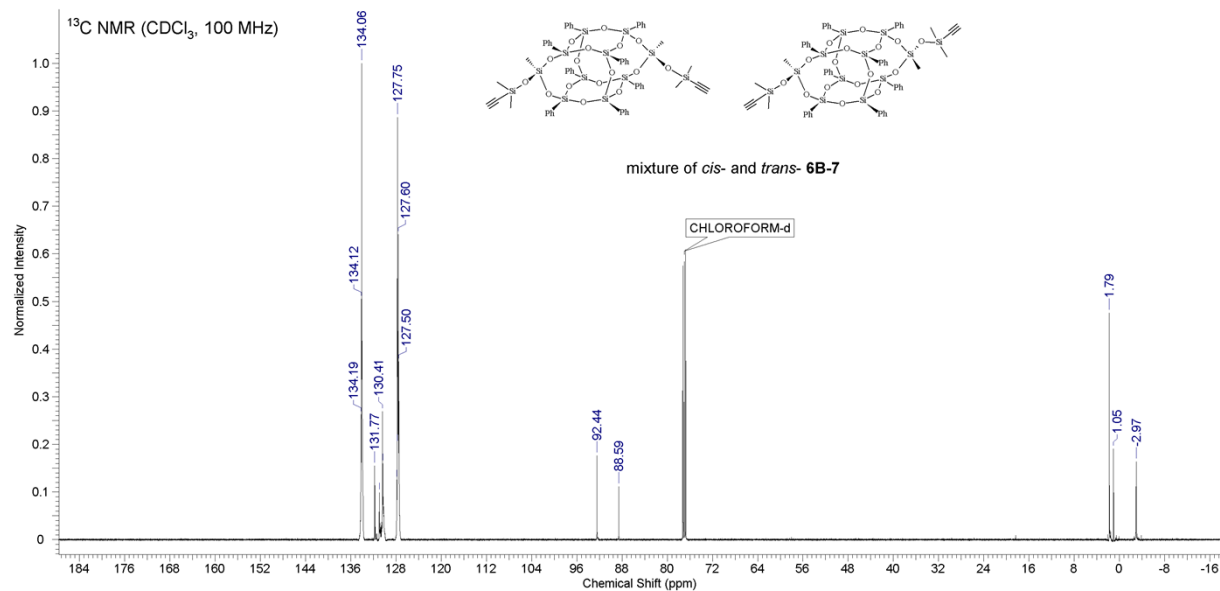
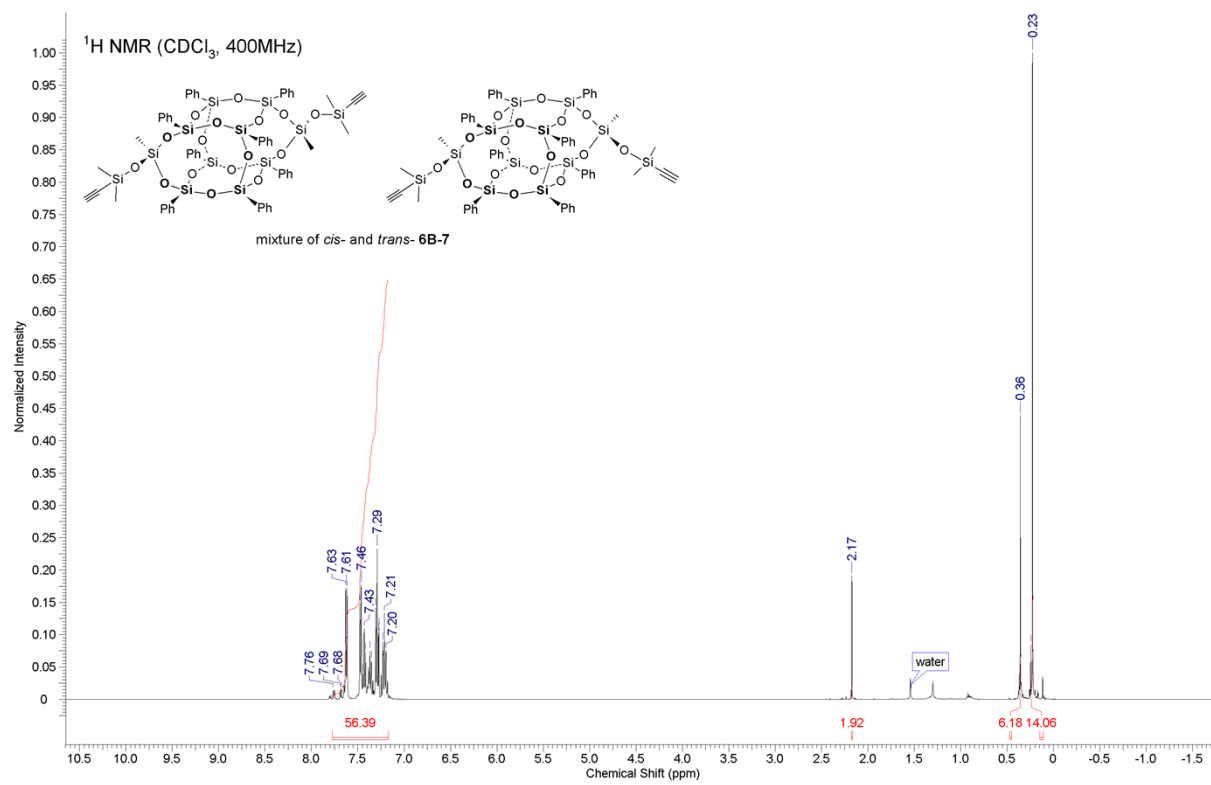


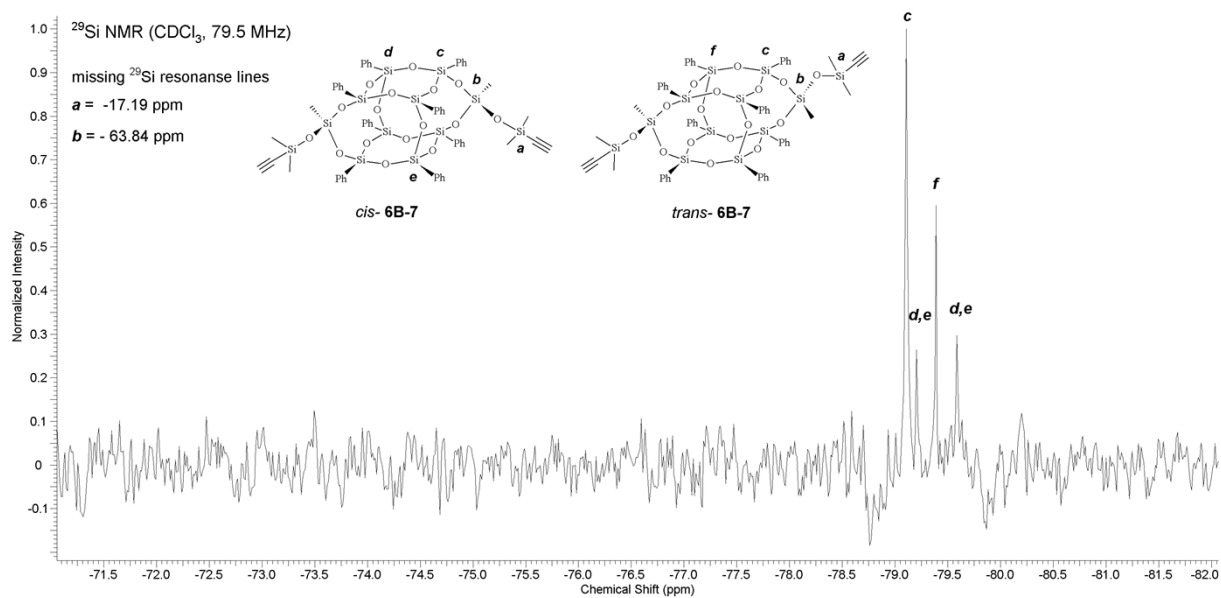
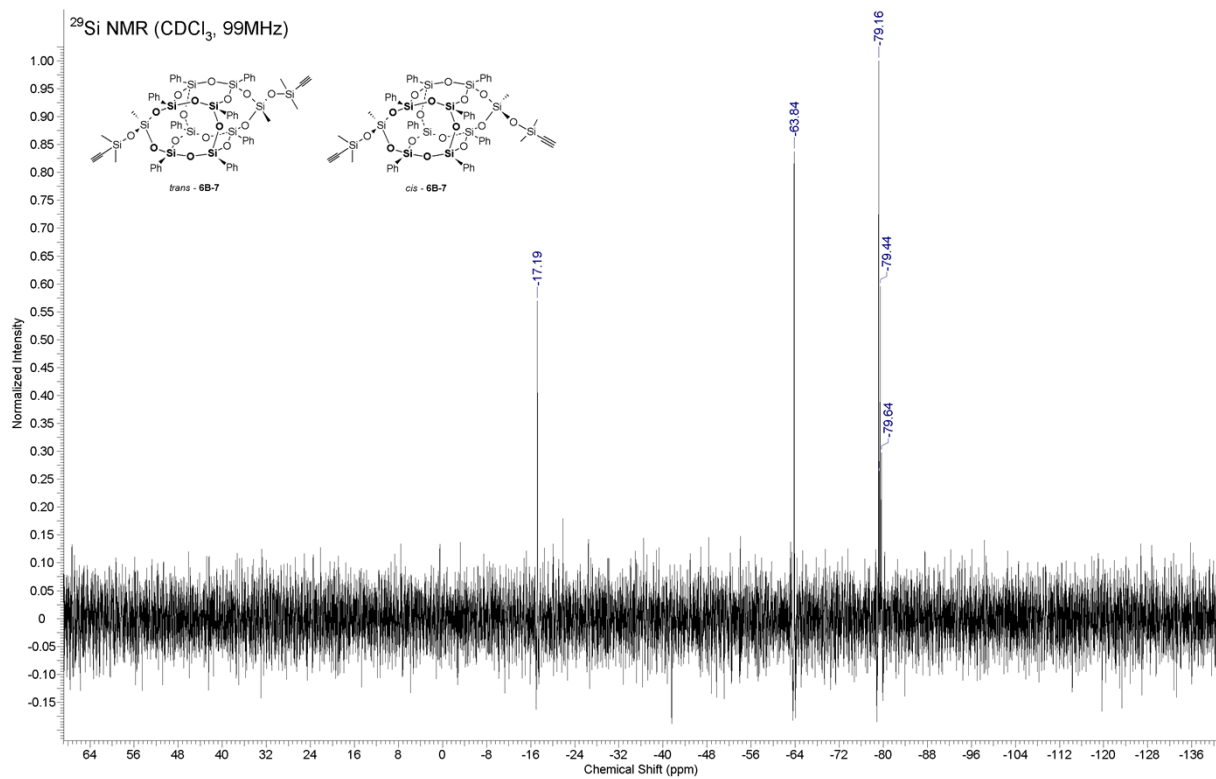
1-ethynyldimethylsiloxyl-3,5,7,9,11,13,15-hepta(phenyl)pentacyclo[9.5.1.1^{3,9}.1^{5,15}.1^{7,13}]octasiloxane (6A-6)





Mixture of *cis*- and *trans*- di[9,19- ethynyldimethylsiloxo-methyl]-1,3,5,7,11,13,15,17-octa(phenyl)pentacyclo[11.7.1.1^{3,11}.1^{5,17}.1^{7,15}]decasiloxane (6B-7)





**Fragment of ^{29}Si NMR of *cis*- di[9,19- ethynyldimethylsiloxymethyl]-
1,3,5,7,11,13,15,17-octa(phenyl)pentacyclo[11.7.1.1^{3,11}.1^{5,17}.1^{7,15}]decasiloxane (6B-7)**

