

SUPPLEMENTARY MATERIAL

**^1H NMR study of the host-guest chemistry in a supramolecular helicate $\text{Fe}^{\text{II}}_2\text{L}_3$
solution**

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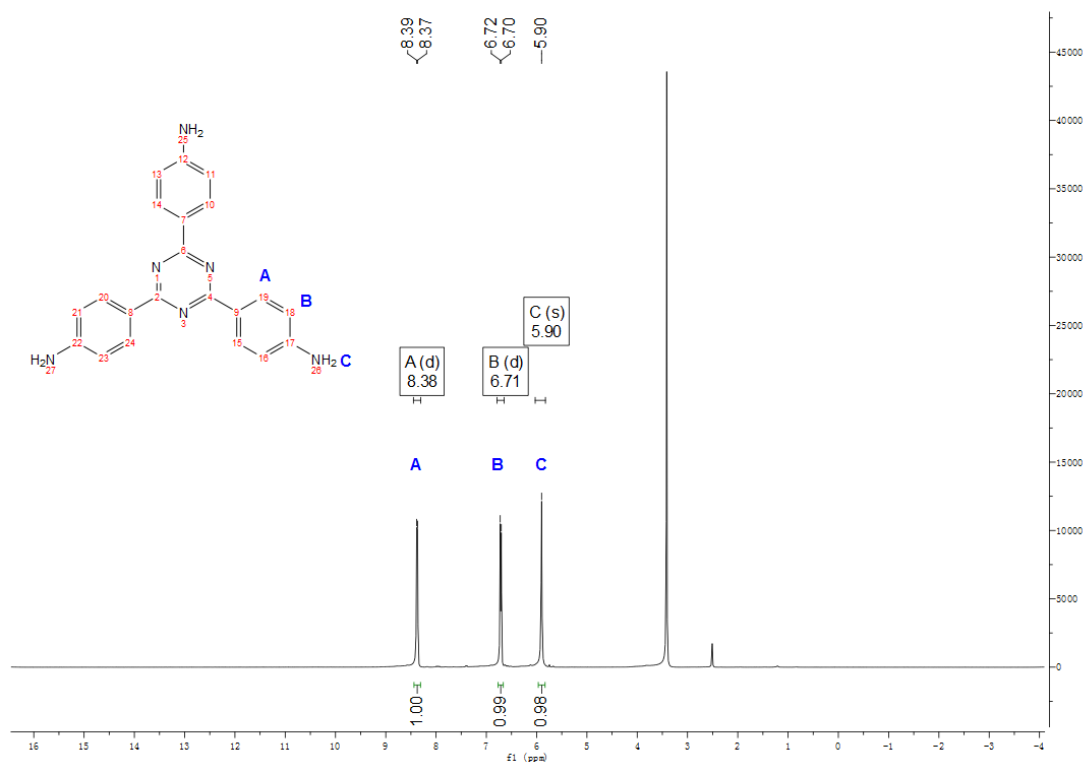


Figure 1S. ¹H NMR spectrum of triamine phenyl triazine in DMSO

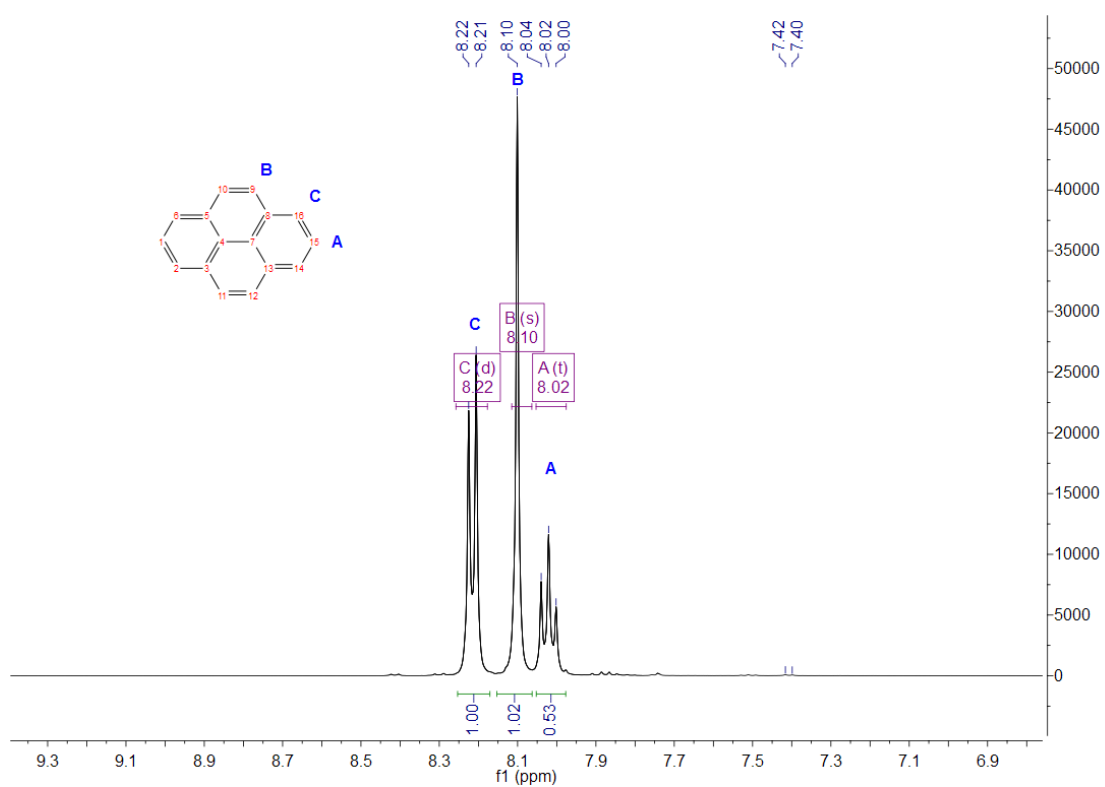


Figure 2S. ¹H NMR spectrum of pyrene in CD₃CN

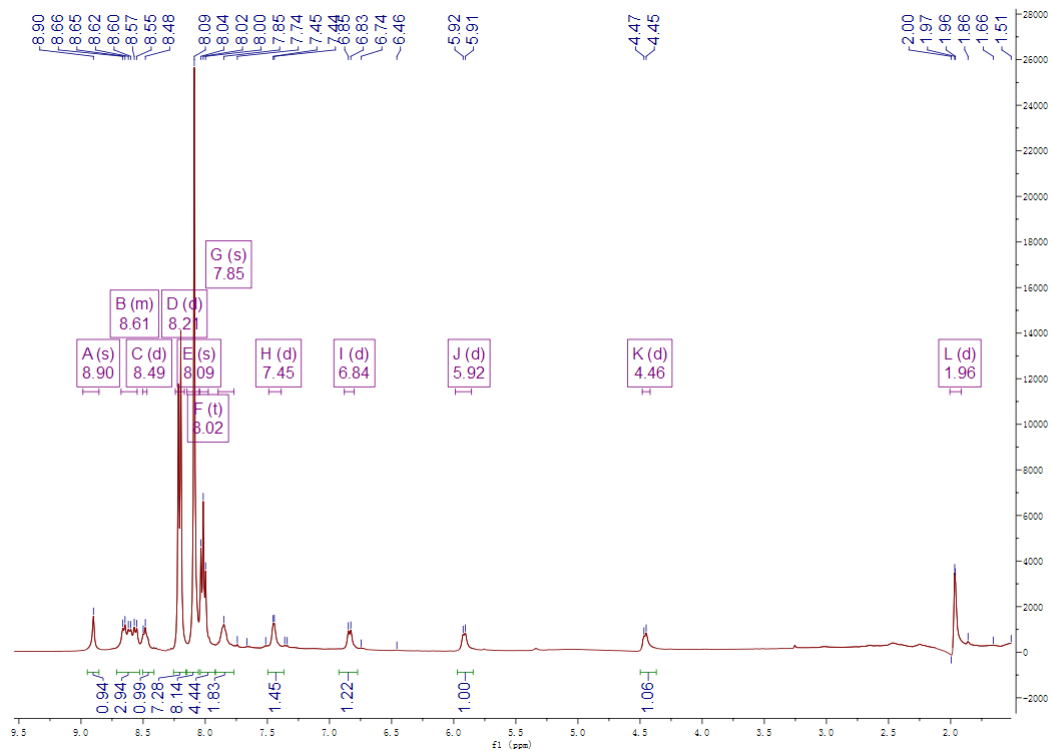


Figure 3S. ^1H NMR spectrum of helicate **1** with pyrene in CD_3CN

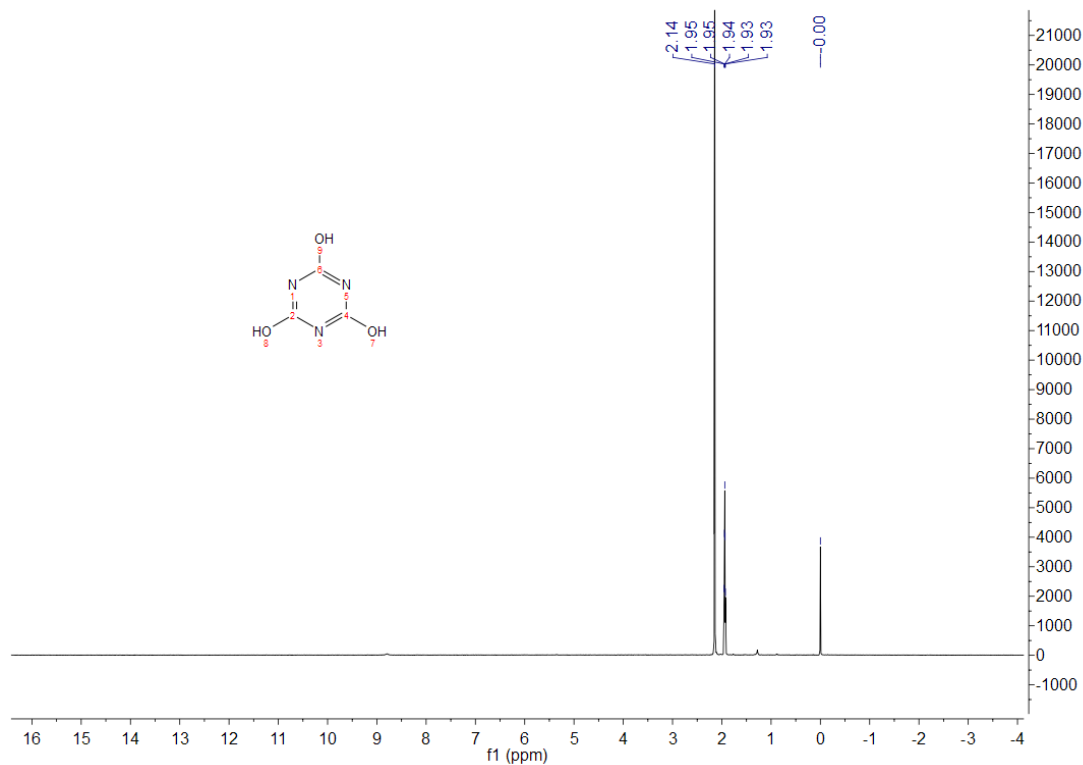


Figure 4S. ^1H NMR spectrum of cyanuric acid (insoluble in CD_3CN) in CD_3CN

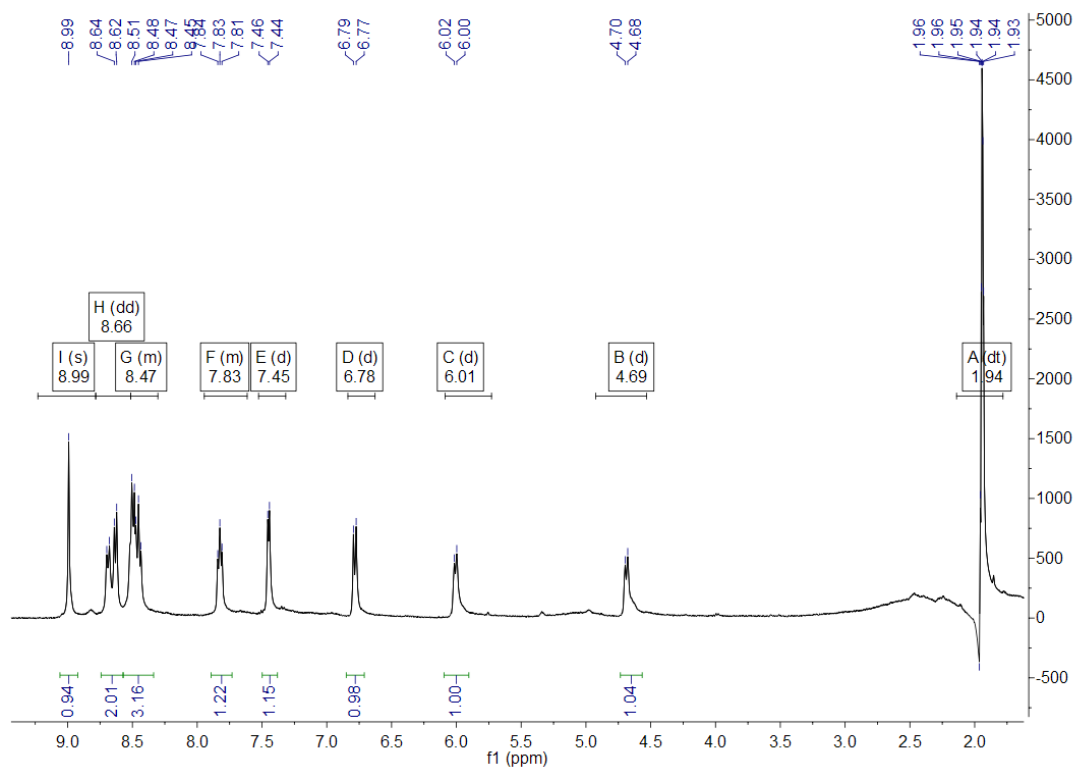


Figure 5S. ^1H NMR spectrum of helicate **1** with cyanuric acid (insoluble in CD_3CN) in CD_3CN

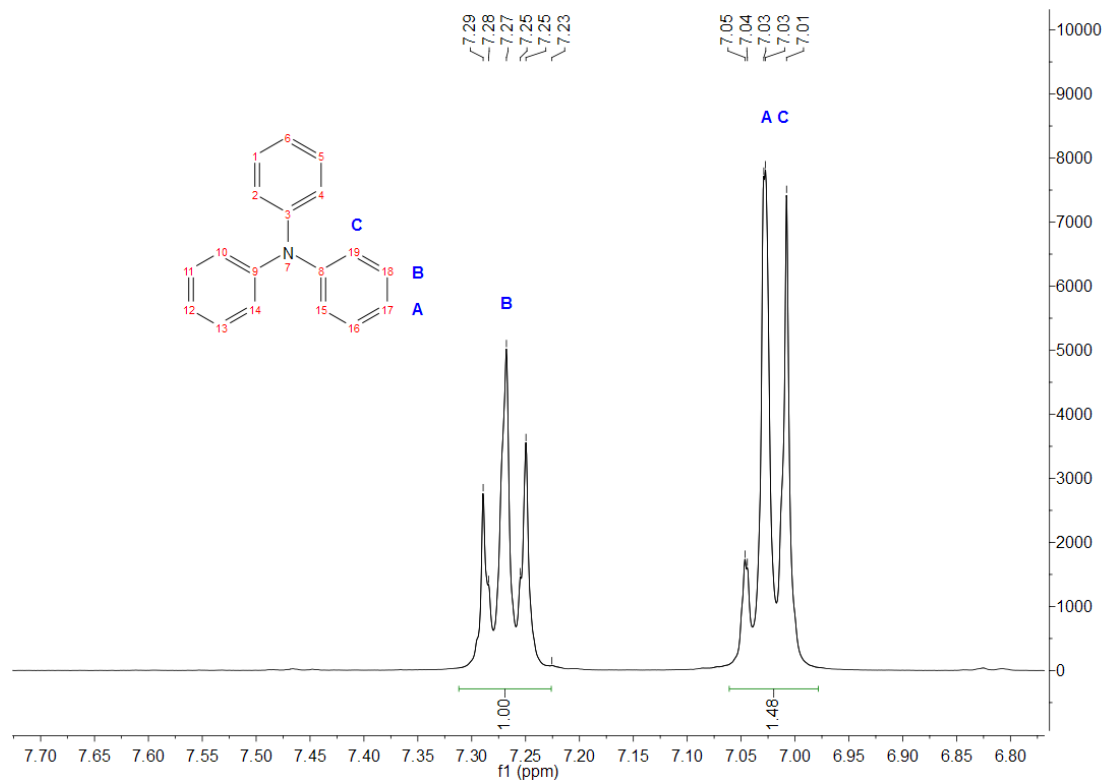


Figure 6S. ^1H NMR spectrum of triphenyl amine in CD_3CN

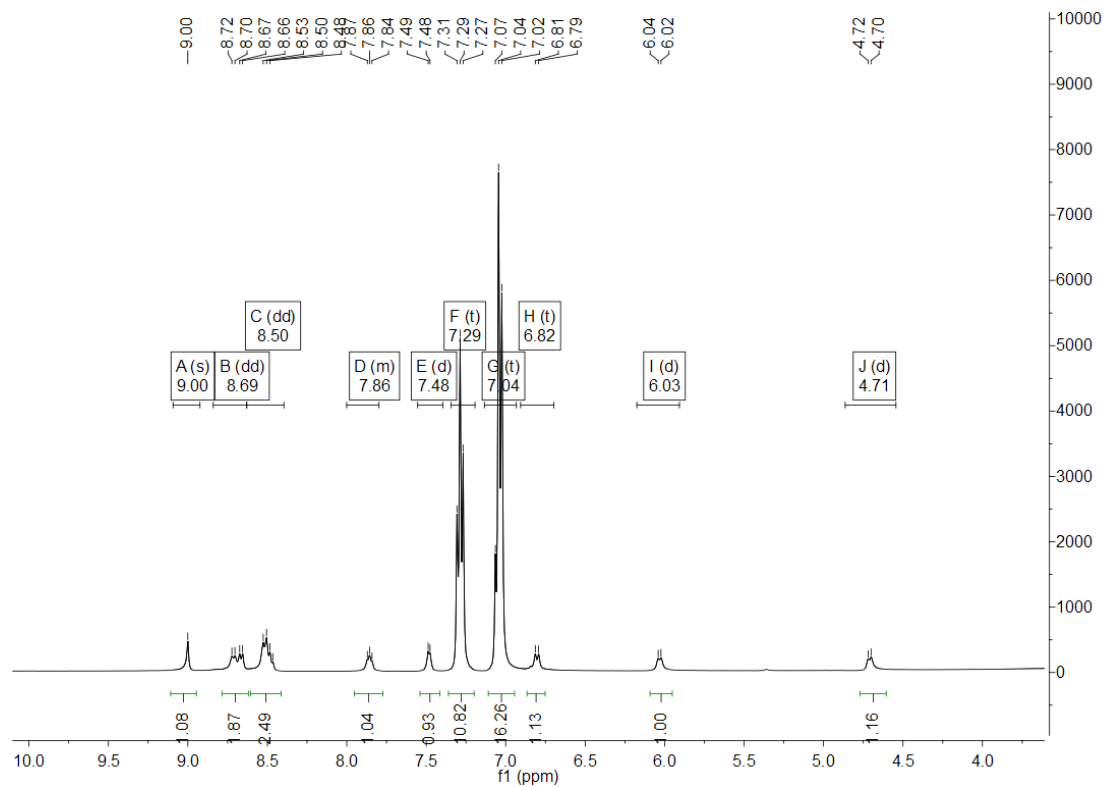


Figure 7S. ^1H NMR spectrum of helicate **1** with triphenyl amine in CD_3CN

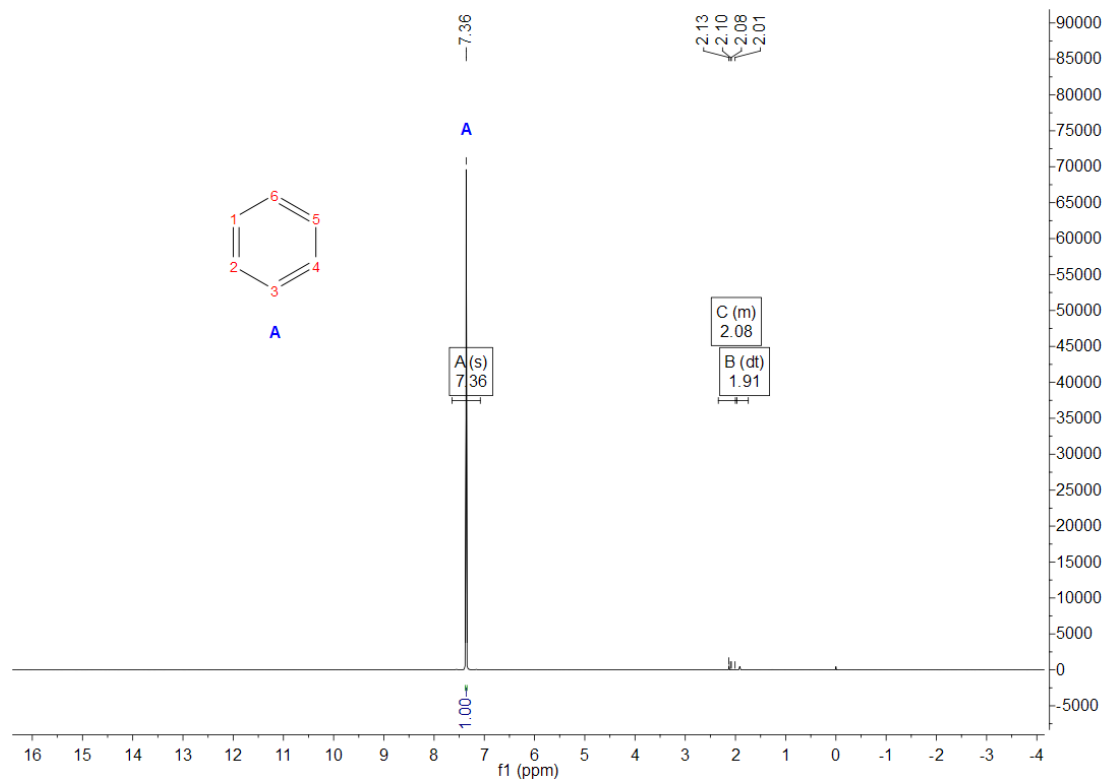


Figure 8S. ^1H NMR spectrum of benzene in CD_3CN

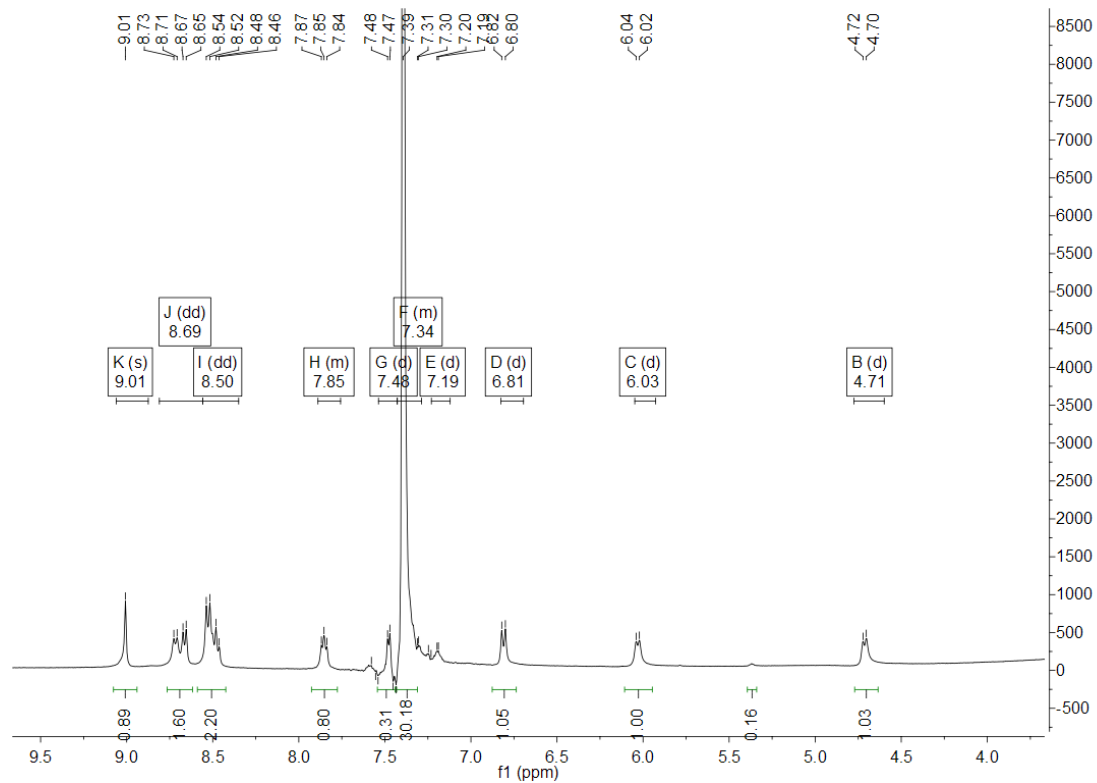


Figure 9S. ^1H NMR spectrum of helicate **1** with benzene in CD_3CN

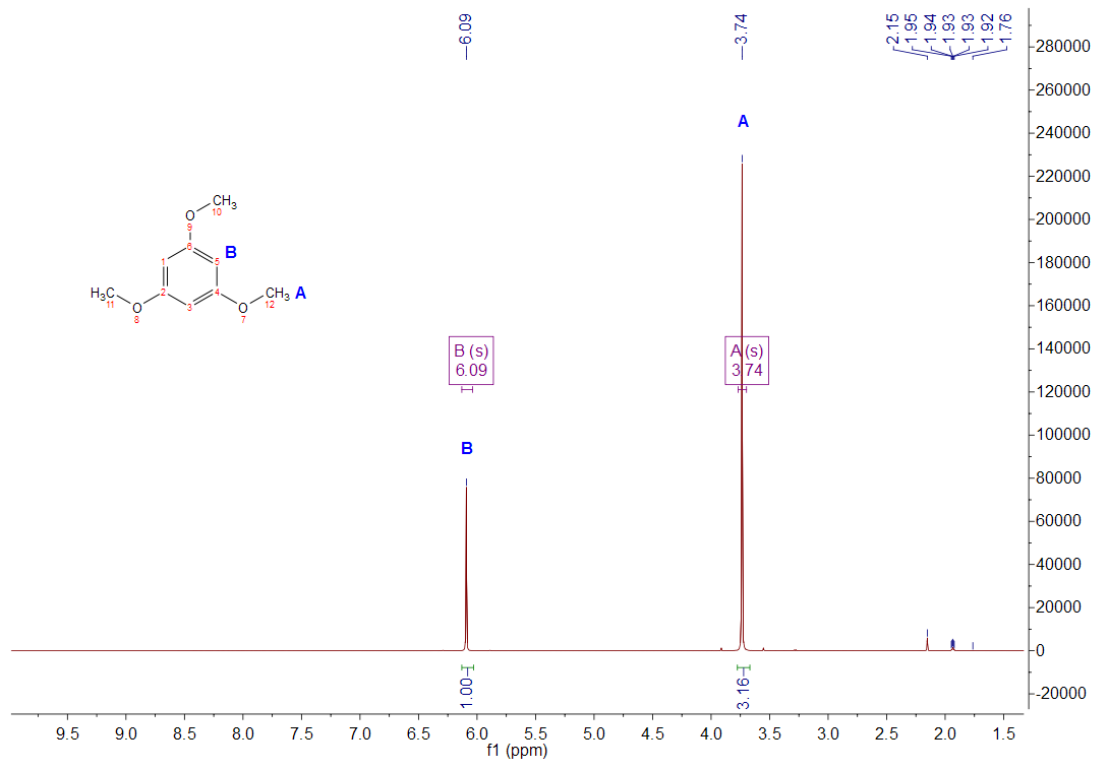


Figure 10S. ^1H NMR spectrum of 1,3,5-trimethoxybenzene in CD_3CN

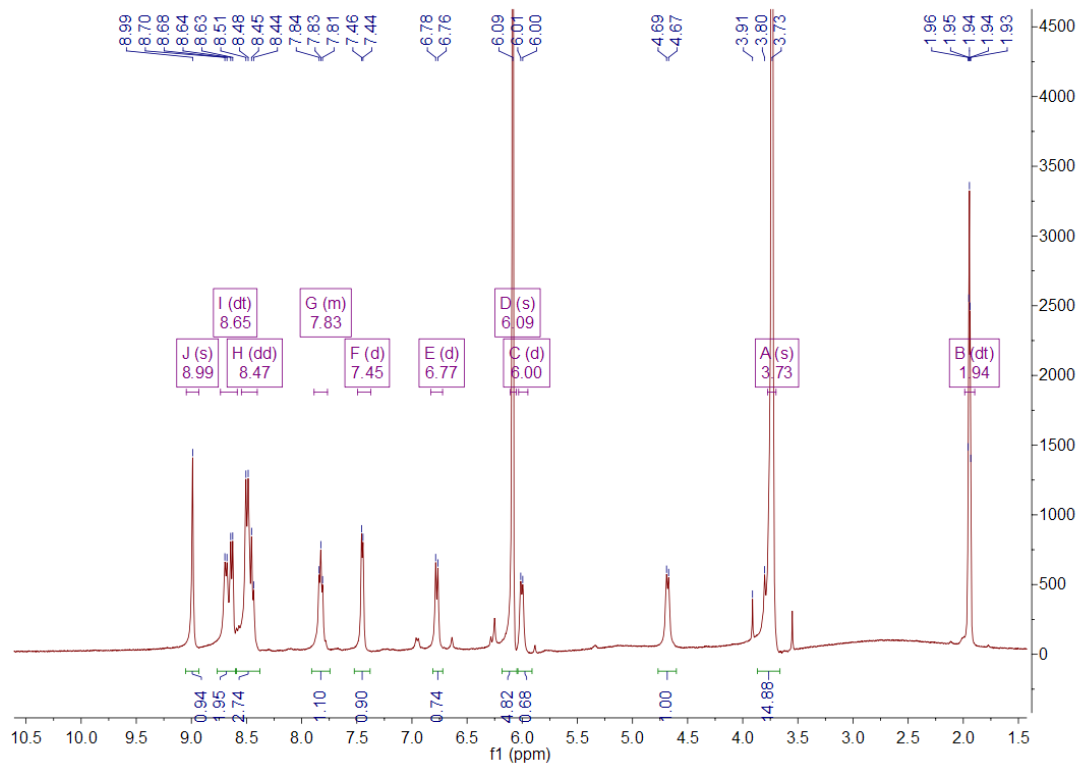


Figure 11S. ¹H NMR spectrum of helicate **1** with 1,3,5-trimethoxy benzene in CD₃CN

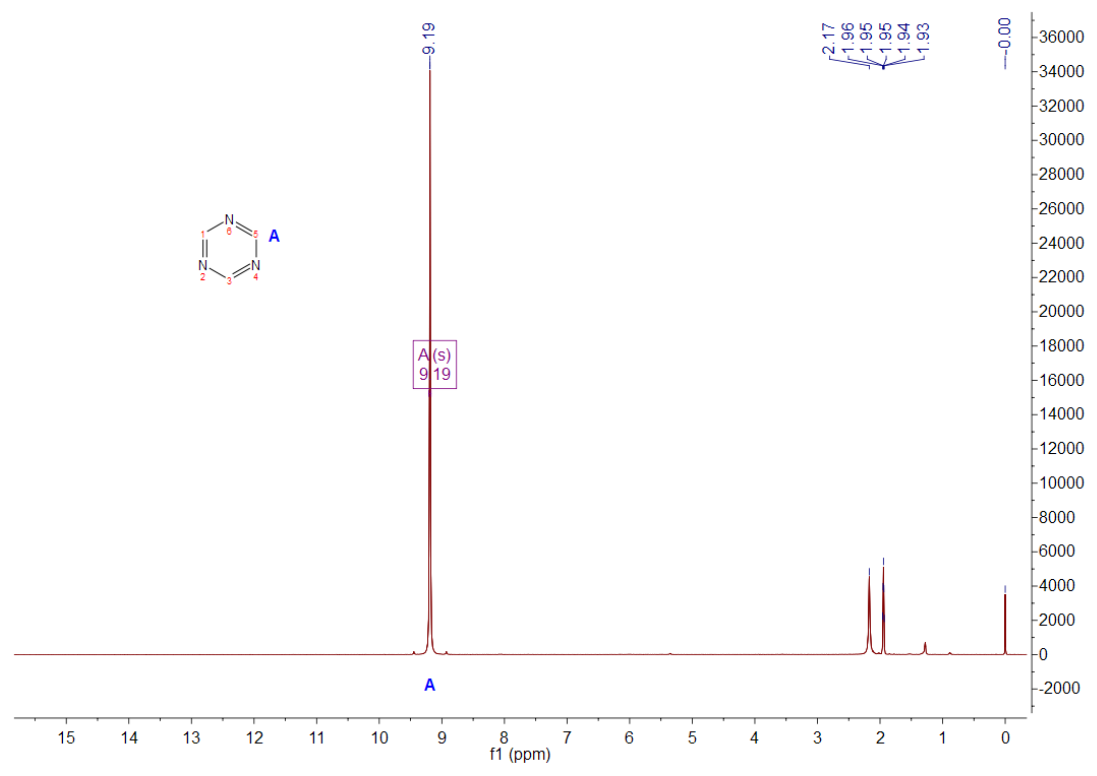


Figure 12S. ¹H NMR spectrum of 1,3,5-triazine in CD₃CN

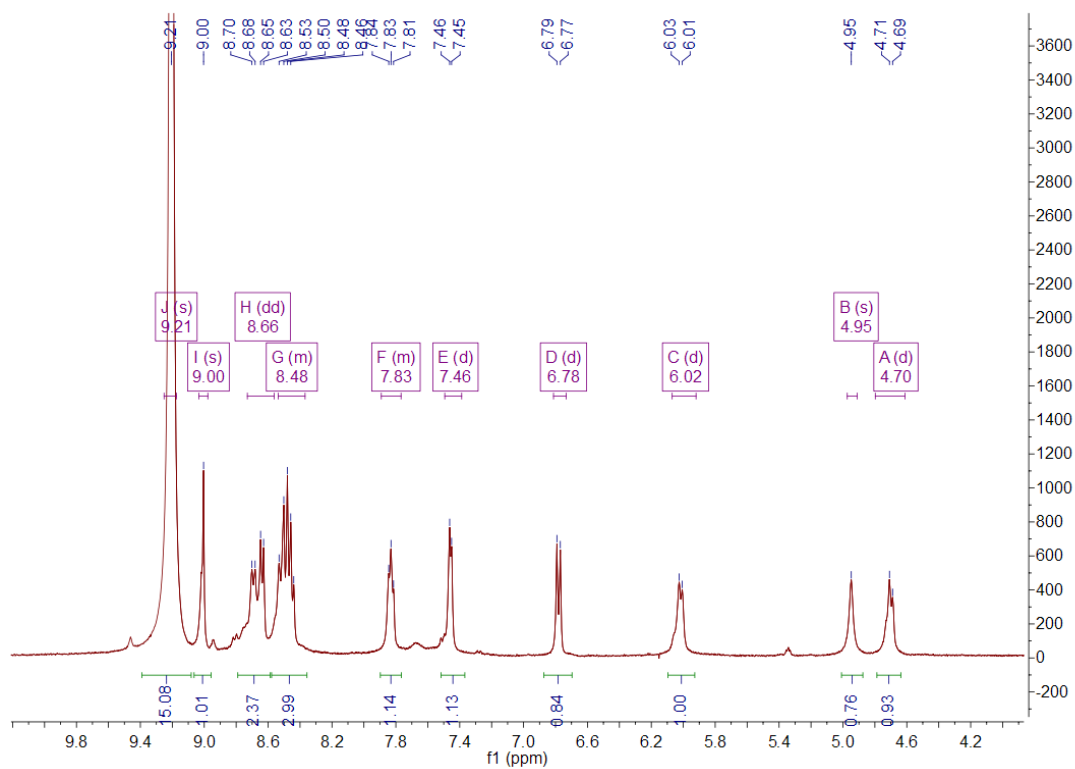


Figure 13S. ^1H NMR spectrum of helicate **1** with 1,3,5-triazine in CD_3CN

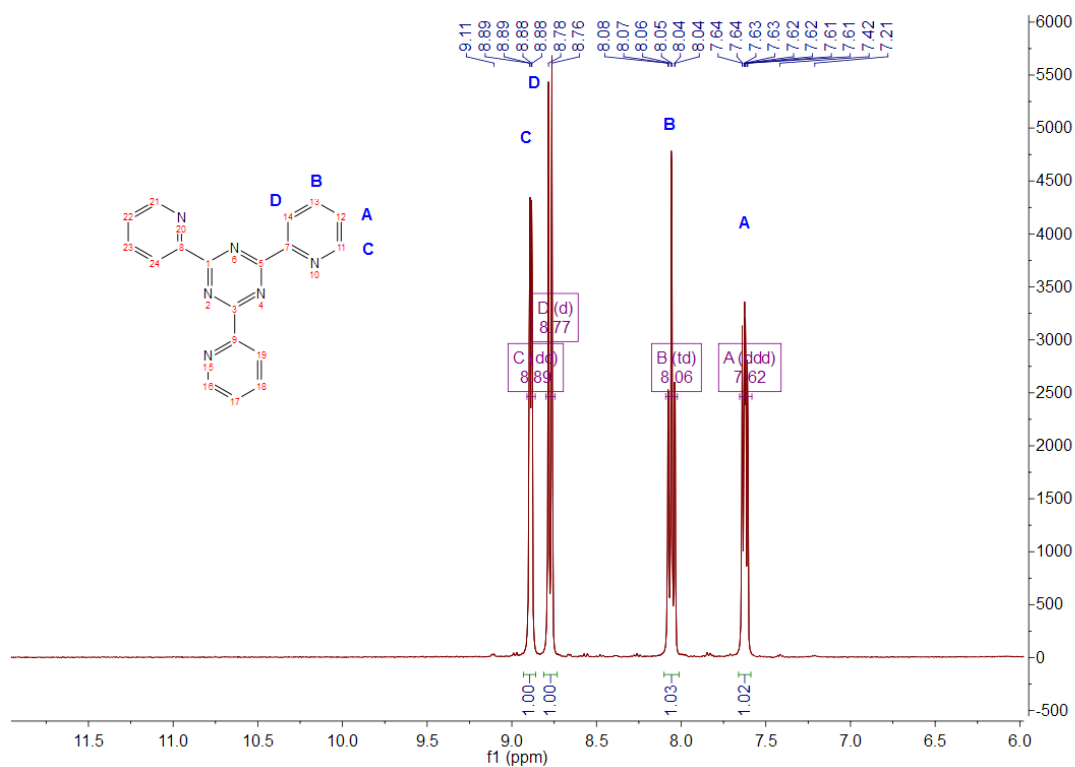


Figure 14S. ^1H NMR spectrum of 2,4,6-tripyridinyl-triazine in CD_3CN

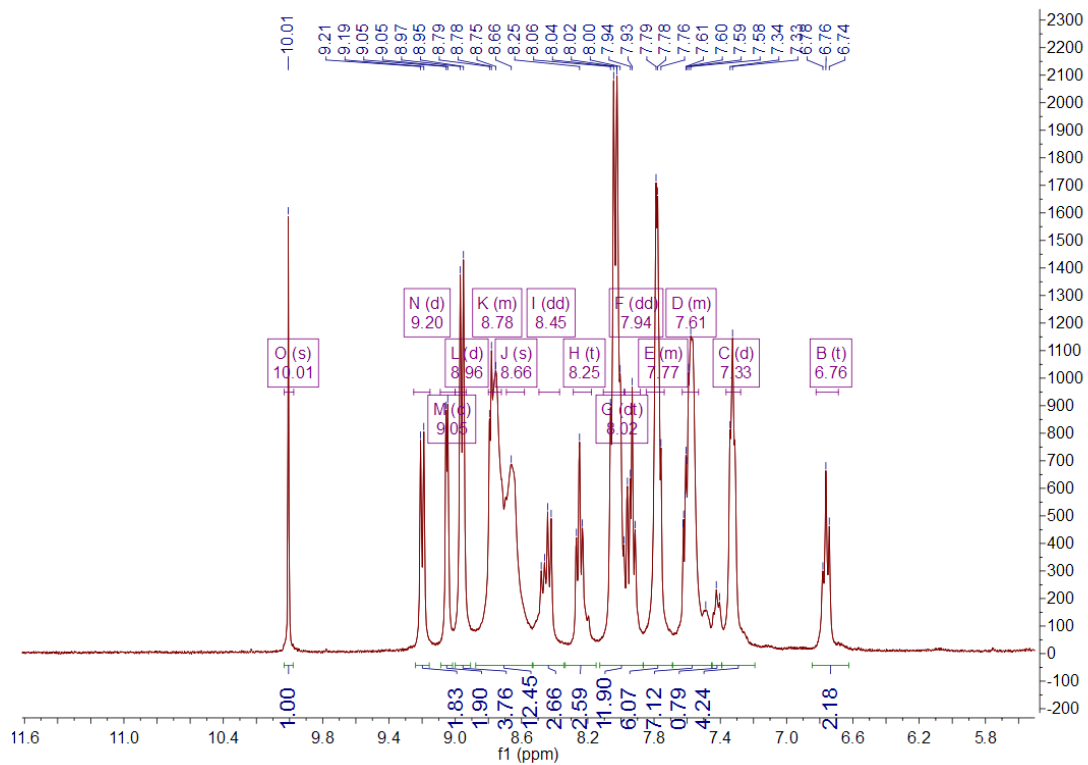


Figure 15S. ^1H NMR spectrum of helicate **1** with 2,4,6-tripyridinyl-triazine in CD_3CN

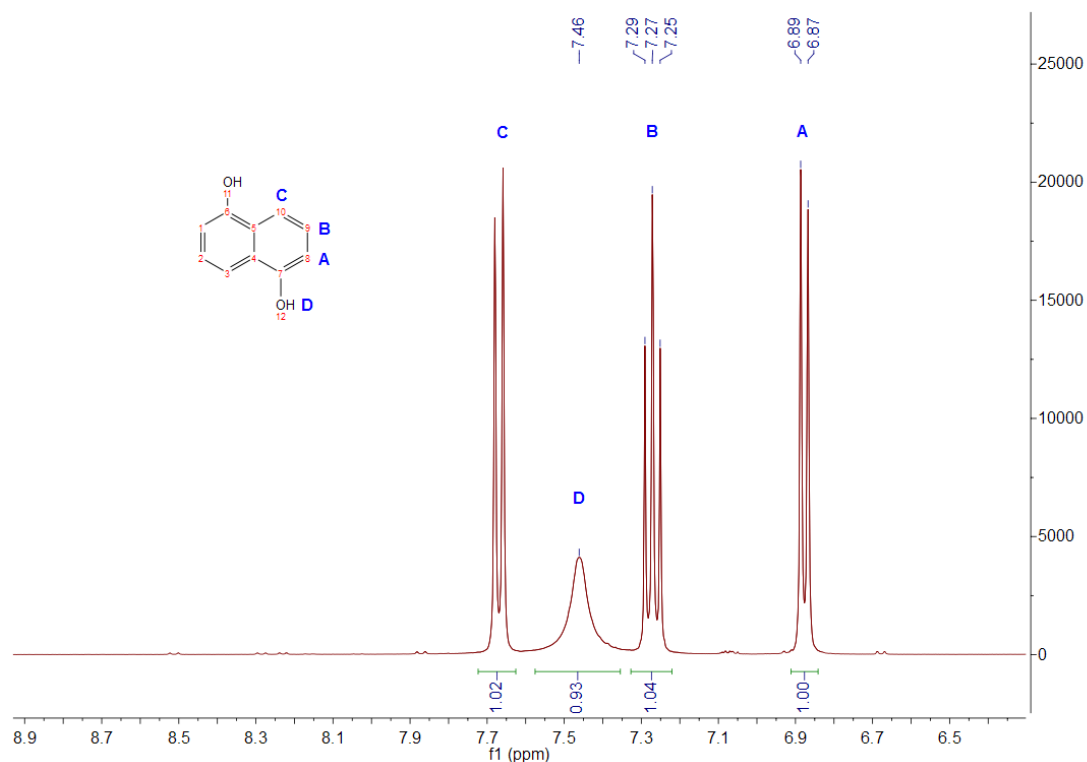


Figure 16S. ^1H NMR spectrum of naphthalene-1,5-diol in CD_3CN

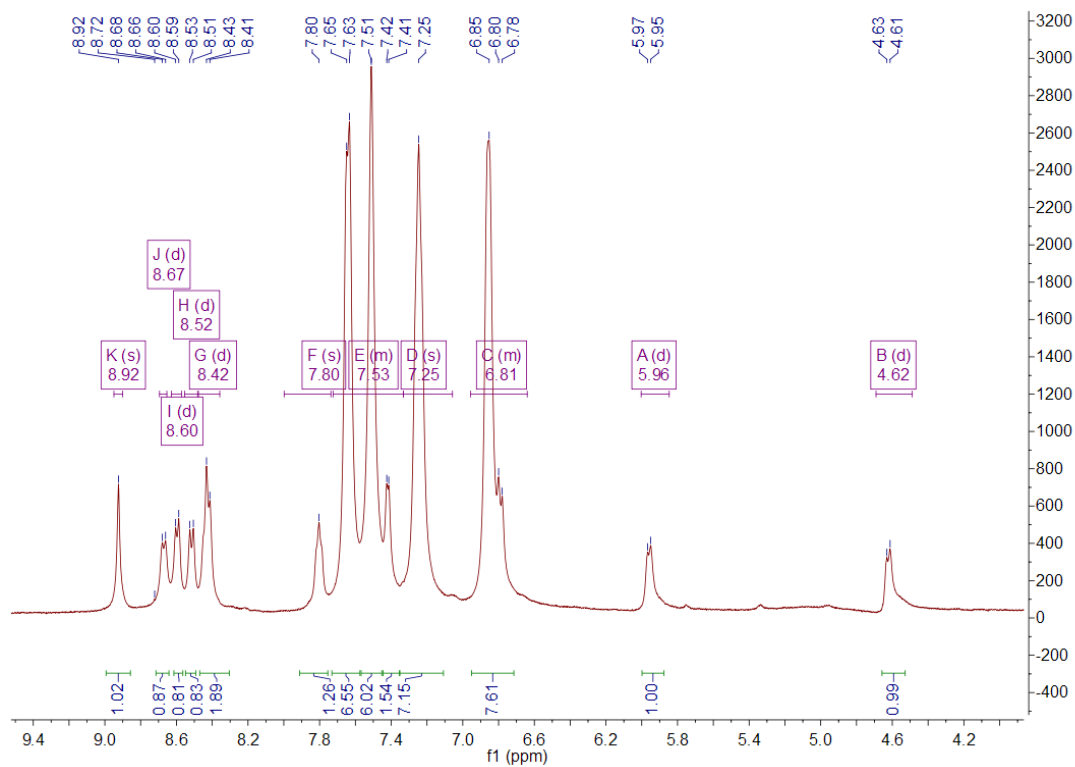


Figure 17S. ^1H NMR spectrum of helicate **1** with naphthalene-1,5-diol in CD_3CN