

‘Click chemistry’ in the synthesis of new amphiphilic *1,3-alternate* thiacalixarenes

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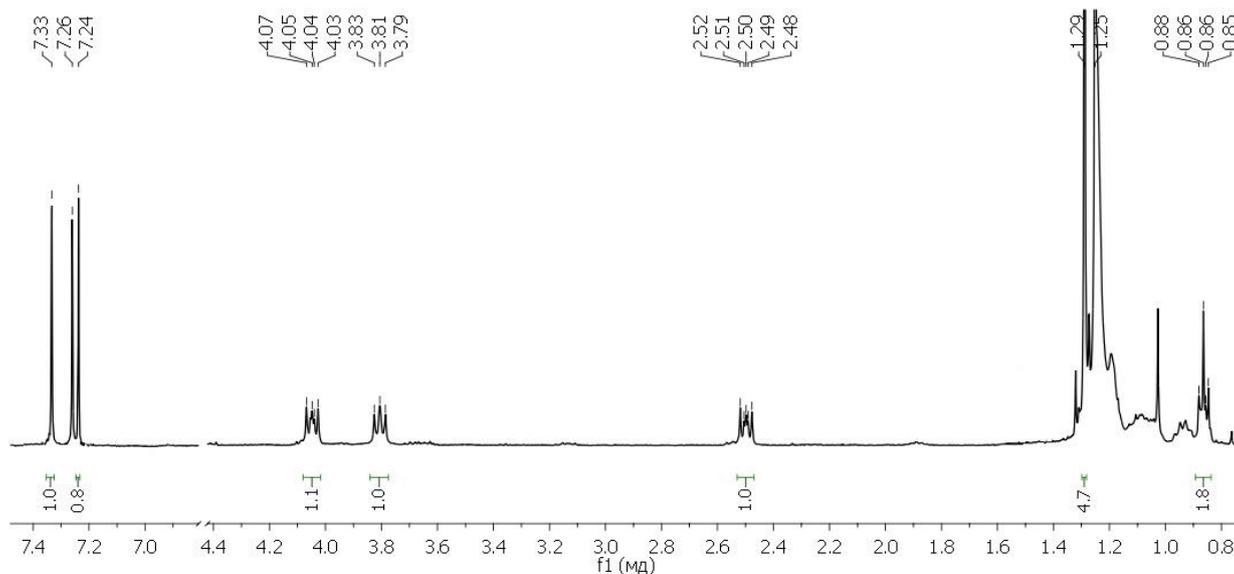


Figure S1 ¹H NMR (CDCl₃) spectra of 5,11,17,23-tetra-*tert*-butyl-25,27-ditetradecyloxy-26,28-di-2-bromoethoxy-2,8,14,20-tetrathiacalix[4]arene **4**.

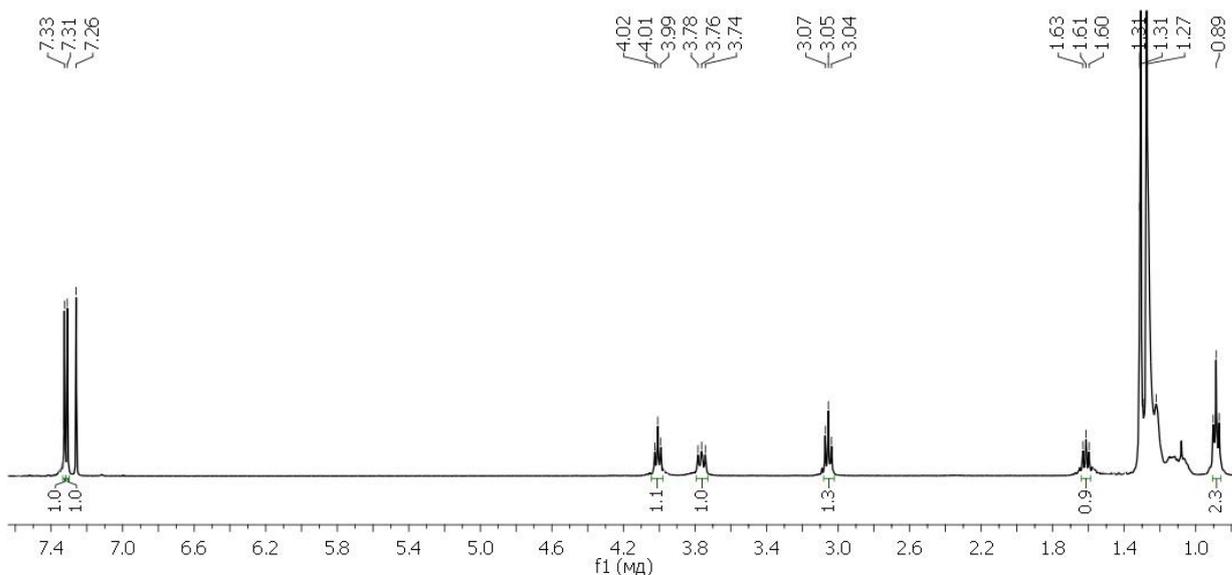


Figure S2 ¹H NMR (CDCl₃) spectra of 5,11,17,23-tetra-*tert*-butyl-25,27-ditetradecyloxy-26,28-di-3-bromopropoxy-2,8,14,20-tetrathiacalix[4]arene **5**.

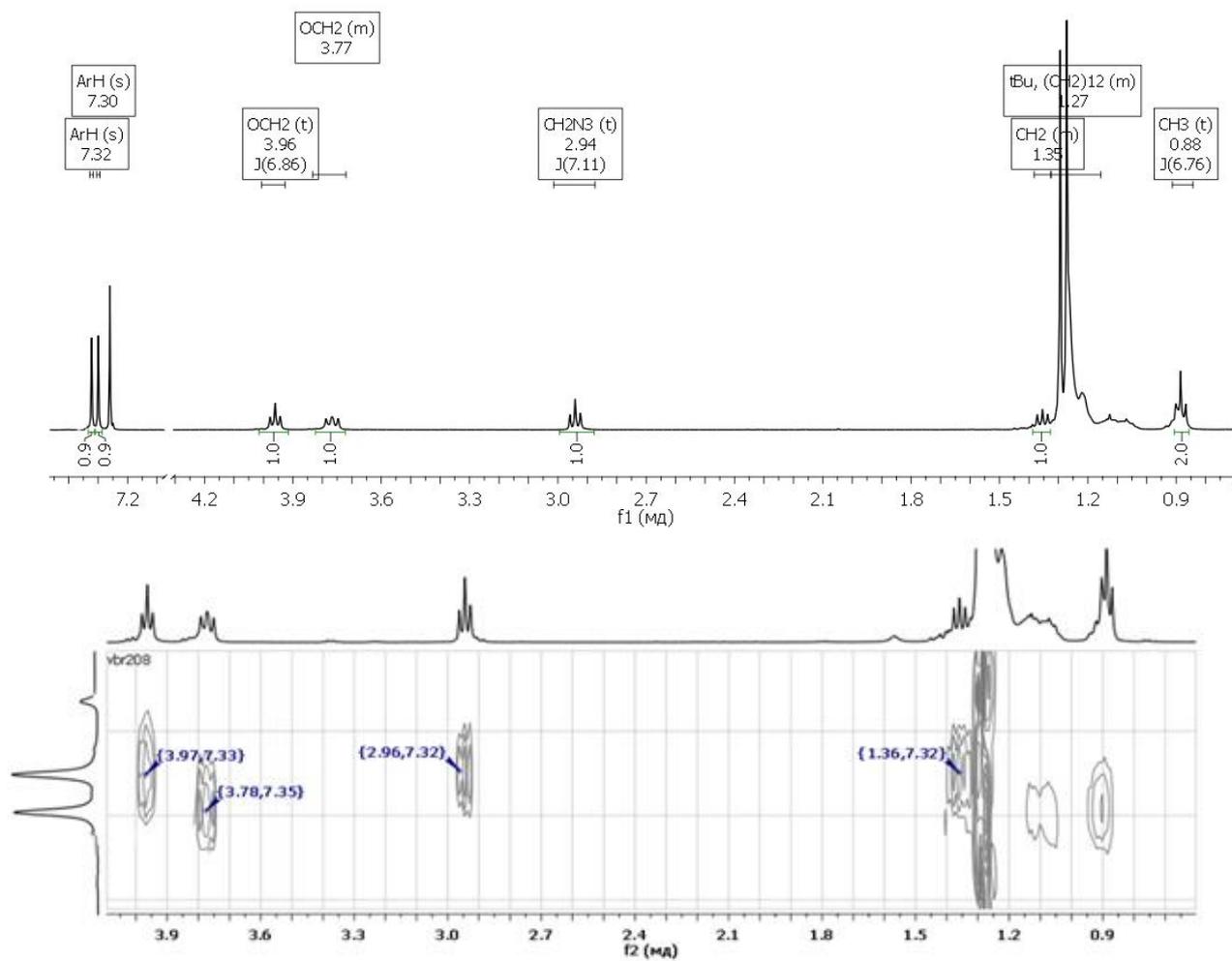


Figure S3 ^1H NMR (CDCl₃) and 2D NOESY spectra of 5,11,17,23-tetra-*tert*-butyl-25,27-ditetradecyloxy-26,28-di-3-azidopropoxy-2,8,14,20-tetrathiacalix[4]arene **7**.

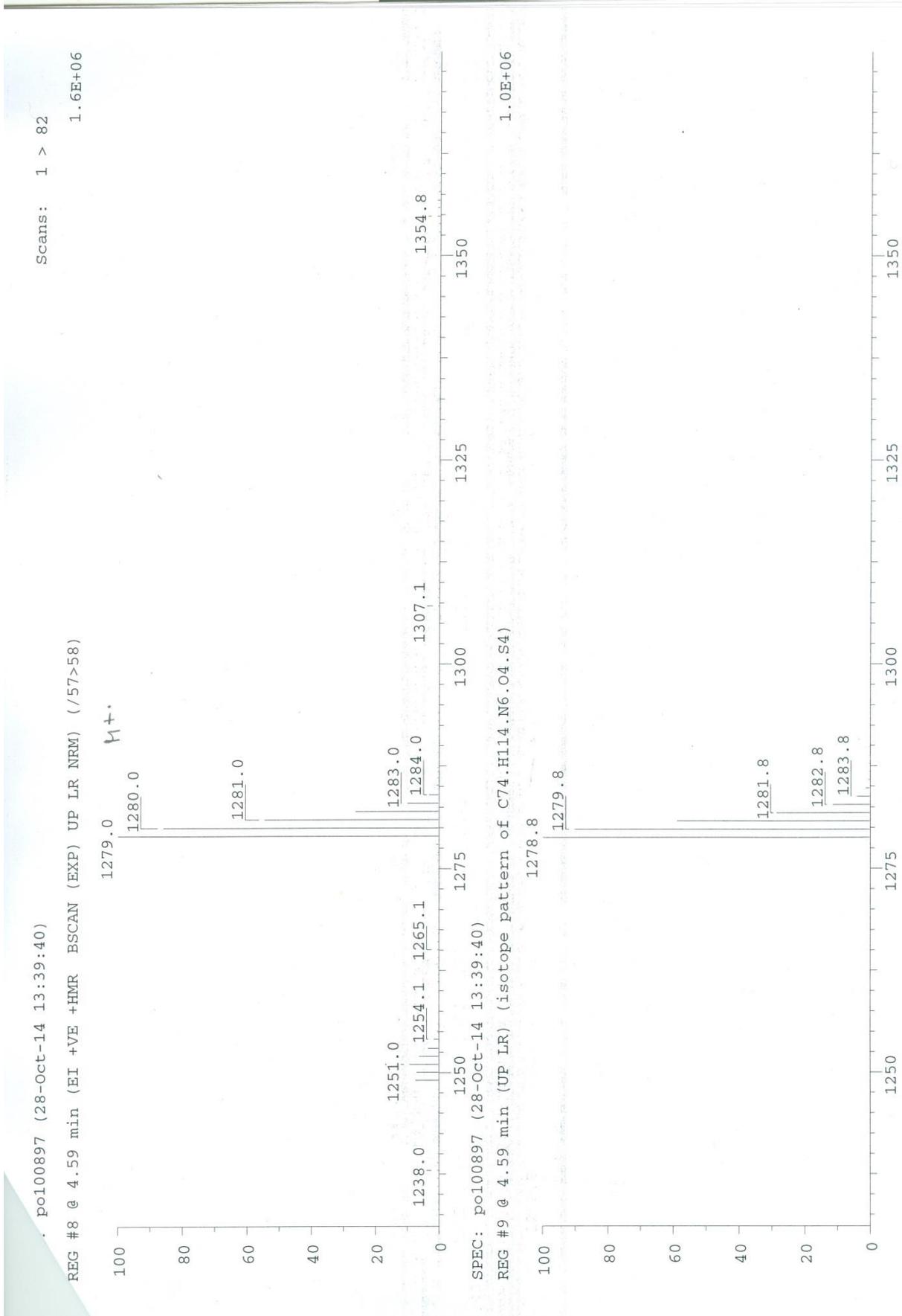


Figure S4 EI Mass-spectra of compound 7.

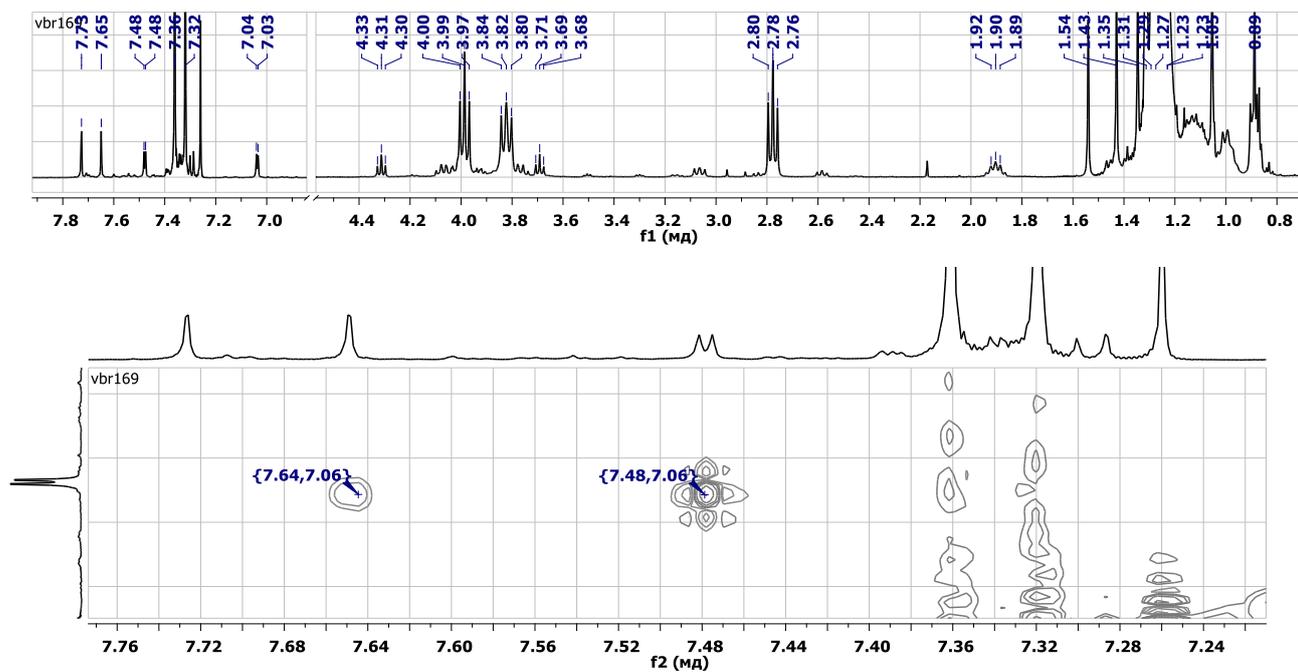
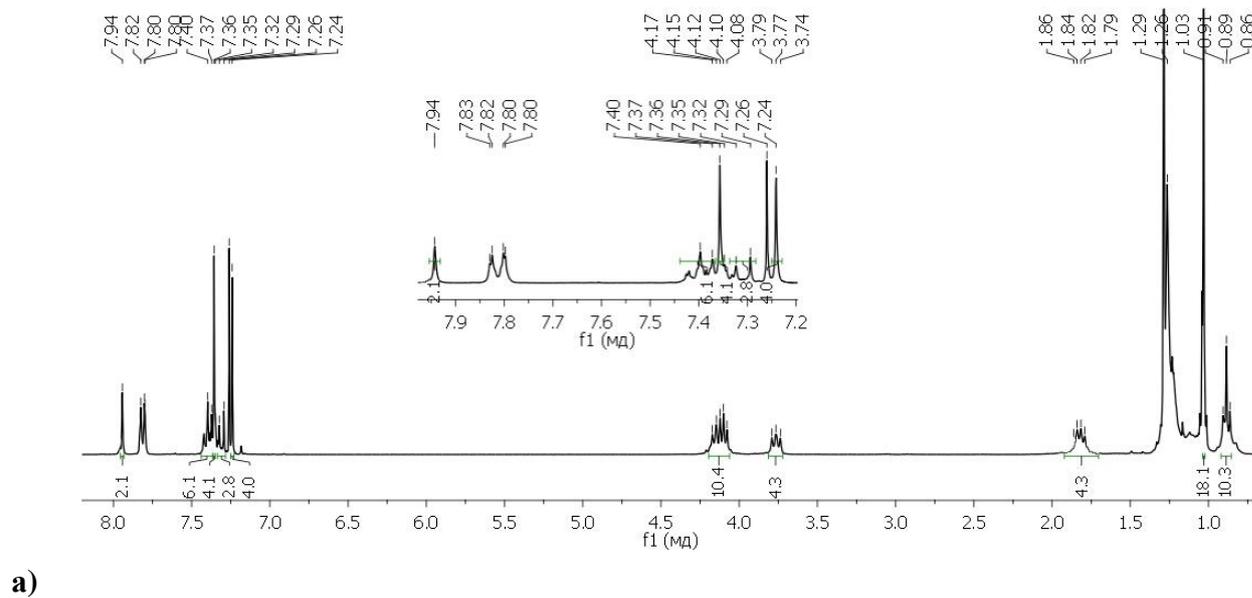
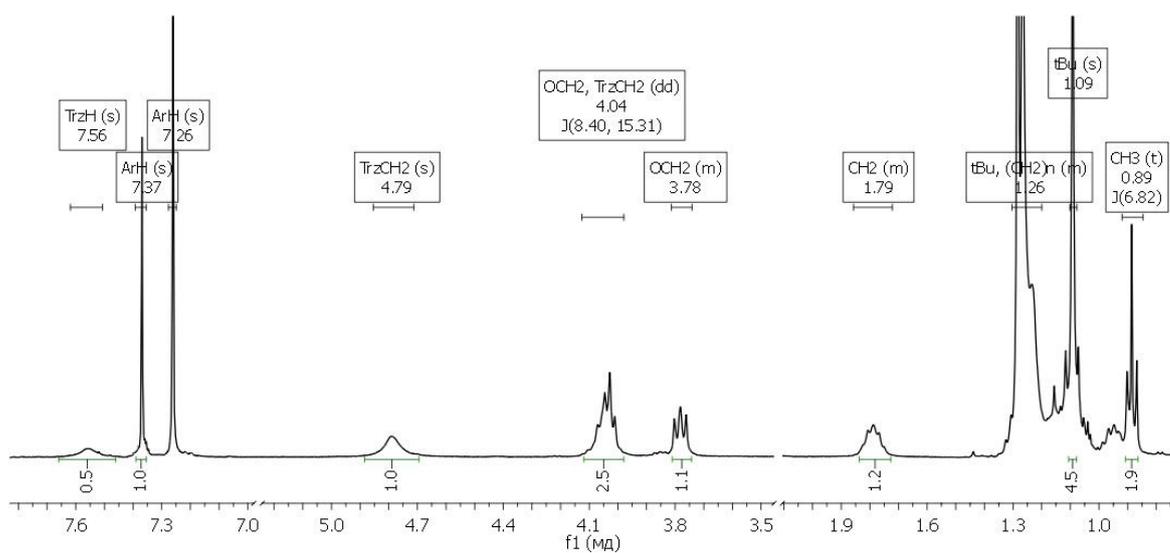


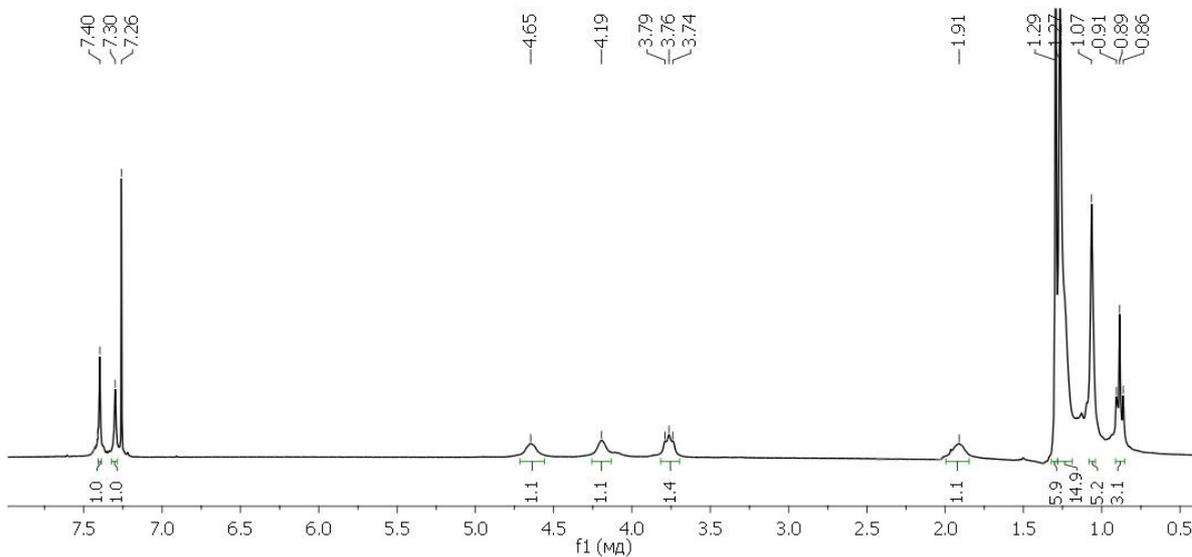
Figure S5 ^1H NMR (CDCl_3) and NOESY spectra of products mixture **6a** and **6b**.



a)



b)



c)

Figure S6 ^1H NMR (CDCl_3) spectra of compounds **8(a)**, **9 (b)** and **10 (c)**.

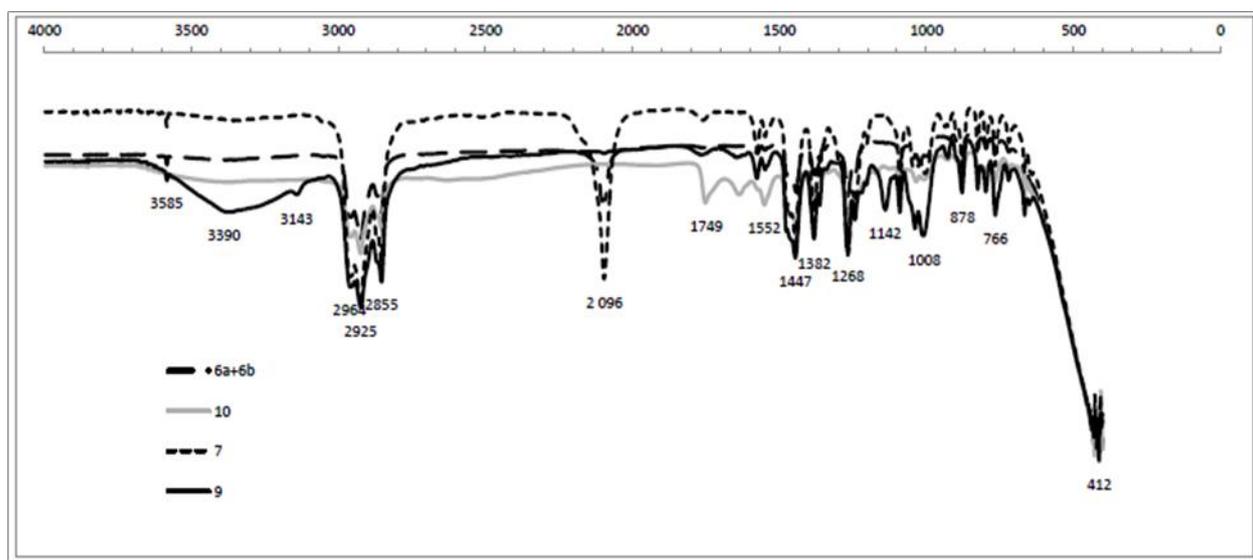


Figure S7 IR spectra of compounds **6a,b,7,9,10**.