Supporting Information

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One-step synthesis of a singly bridged biscalix[6]arene and evaluation of its alkali metal recognition properties

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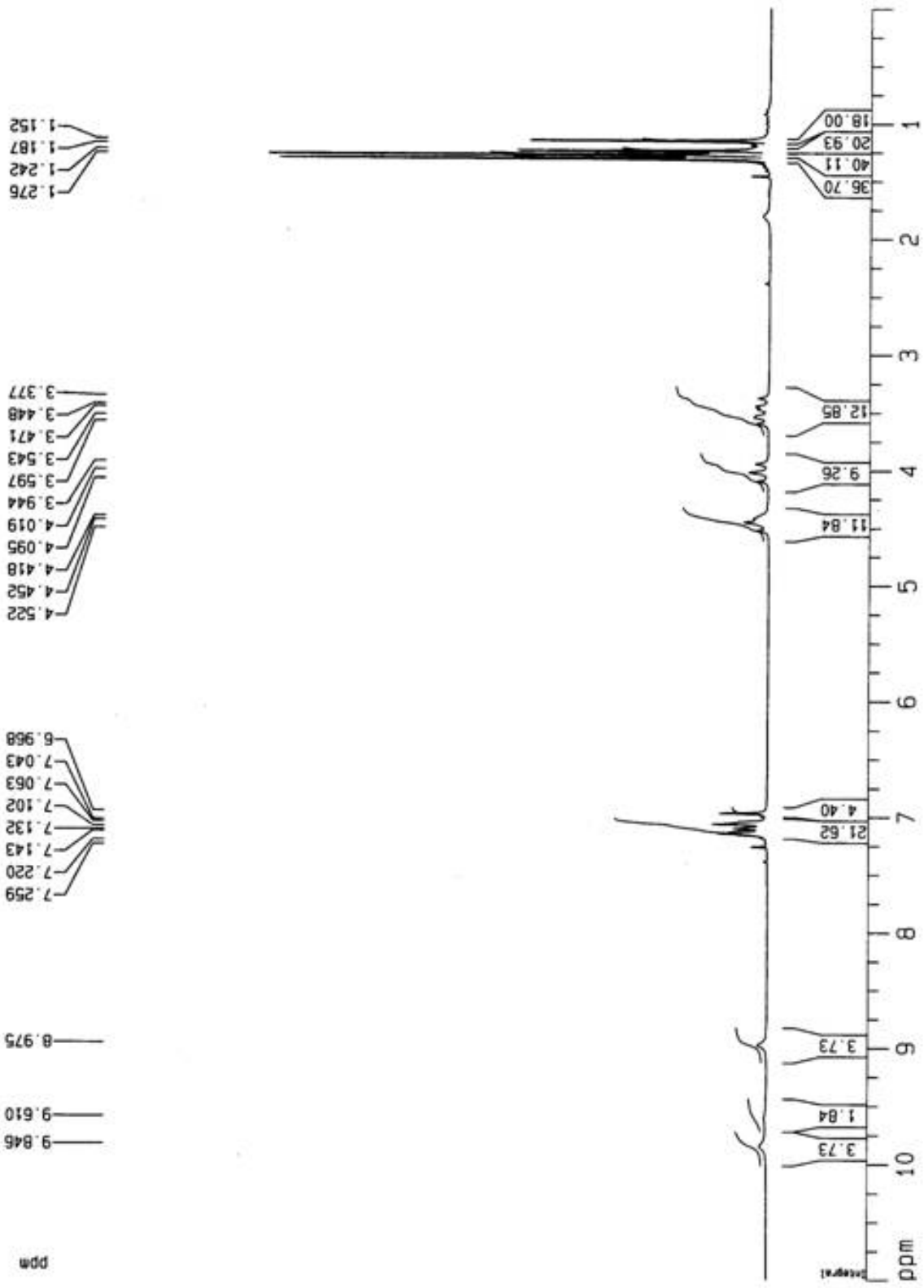

Figure S1. ^{1}H NMR spectrum of bis[2-(5,11,17,23,29,35-hexa-*tert*-butyl-37,38,39,40,41-pentahydroxy-42-calix[6]arenyloxy)ethyl] ether (**2**).

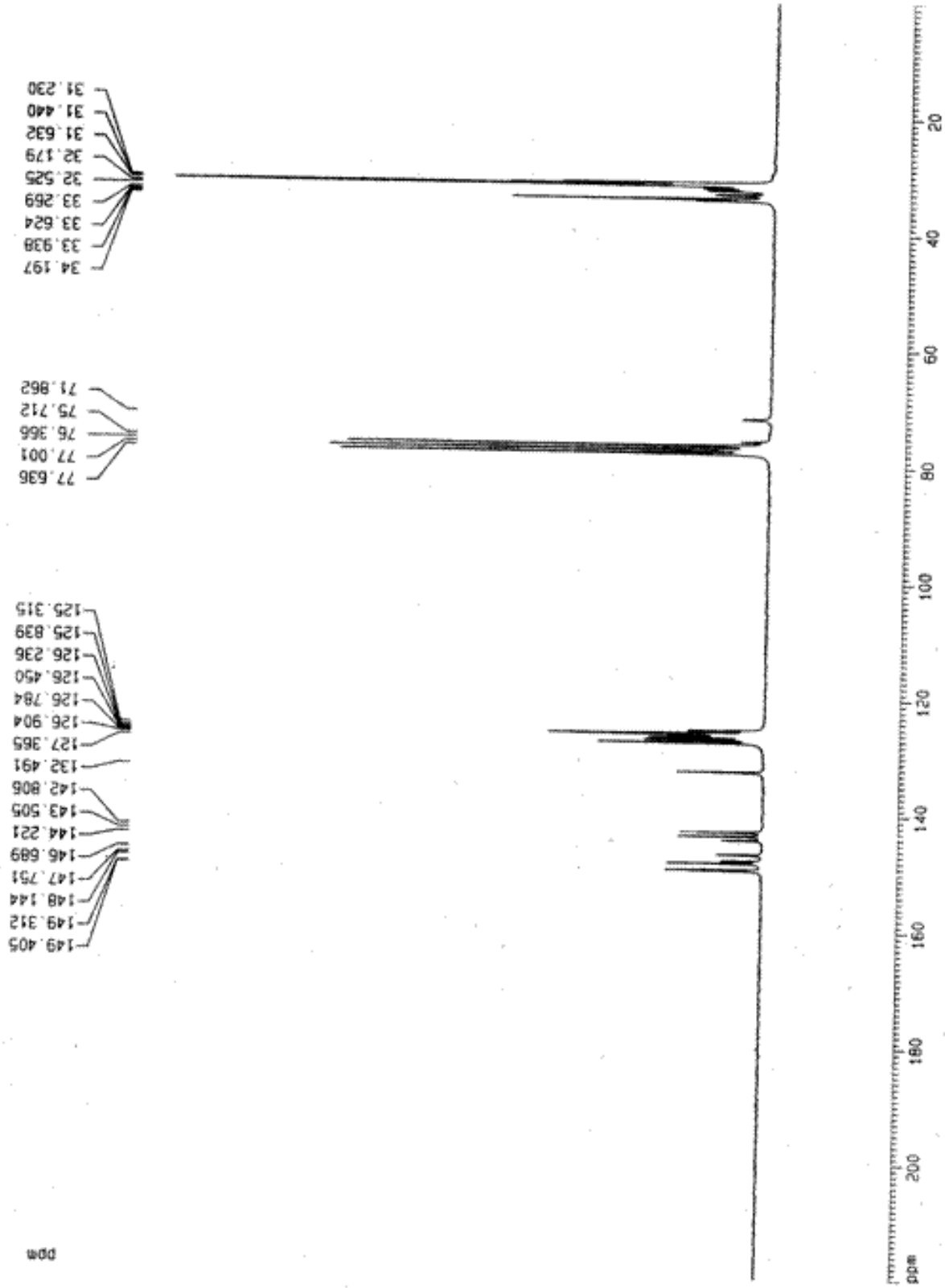

Figure S2. ^{13}C NMR spectrum of bis[2-(5,11,17,23,29,35-hexa-*tert*-butyl-37,38,39,40,41-pentahydroxy-42-calix[6]arenyloxy)ethyl] ether (**2**).

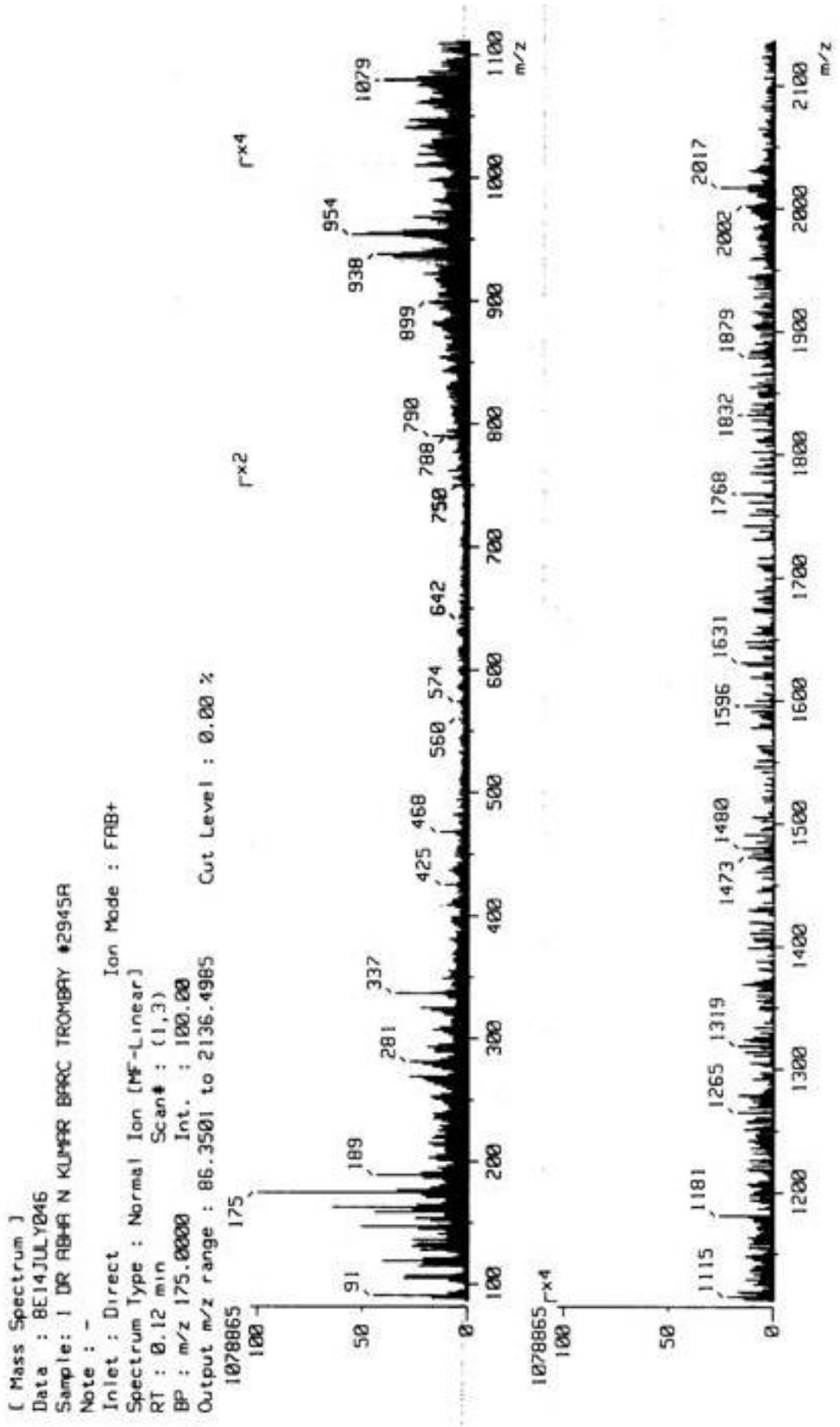

Figure S3. Mass spectrum of bis[2-(5,11,17,23,29,35-hexa-*tert*-butyl-37,38,39,40,41-pentahydroxy-42-calix[6]arenyloxy)ethyl] ether (**2**).

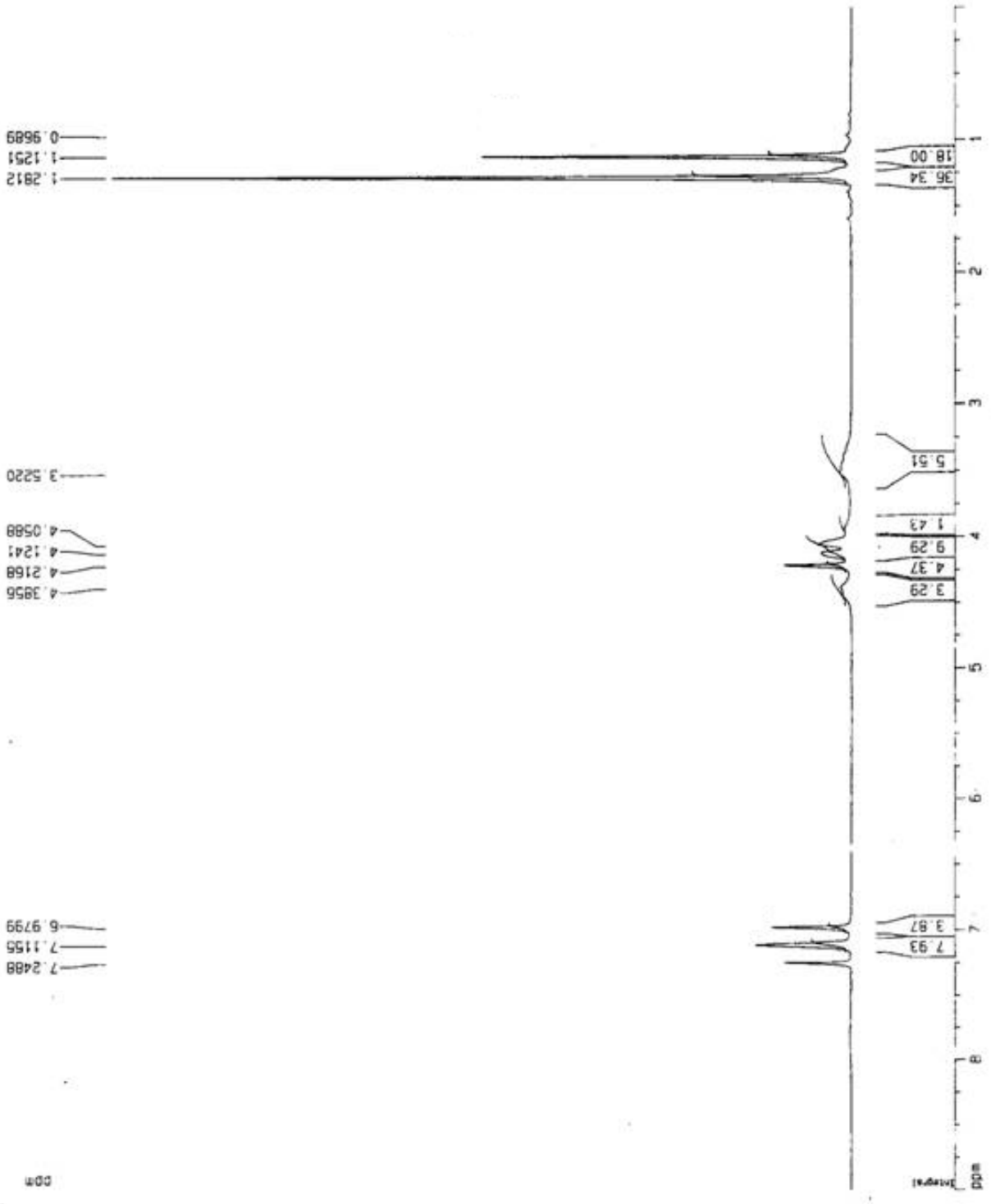

Figure S4. [1]H NMR spectrum of 5,11,17,23,29,35-hexa-*tert*-butyl-37,38,40,41-tetrahydroxycalix[6]arene-39,42-(crown-4) (**3**).

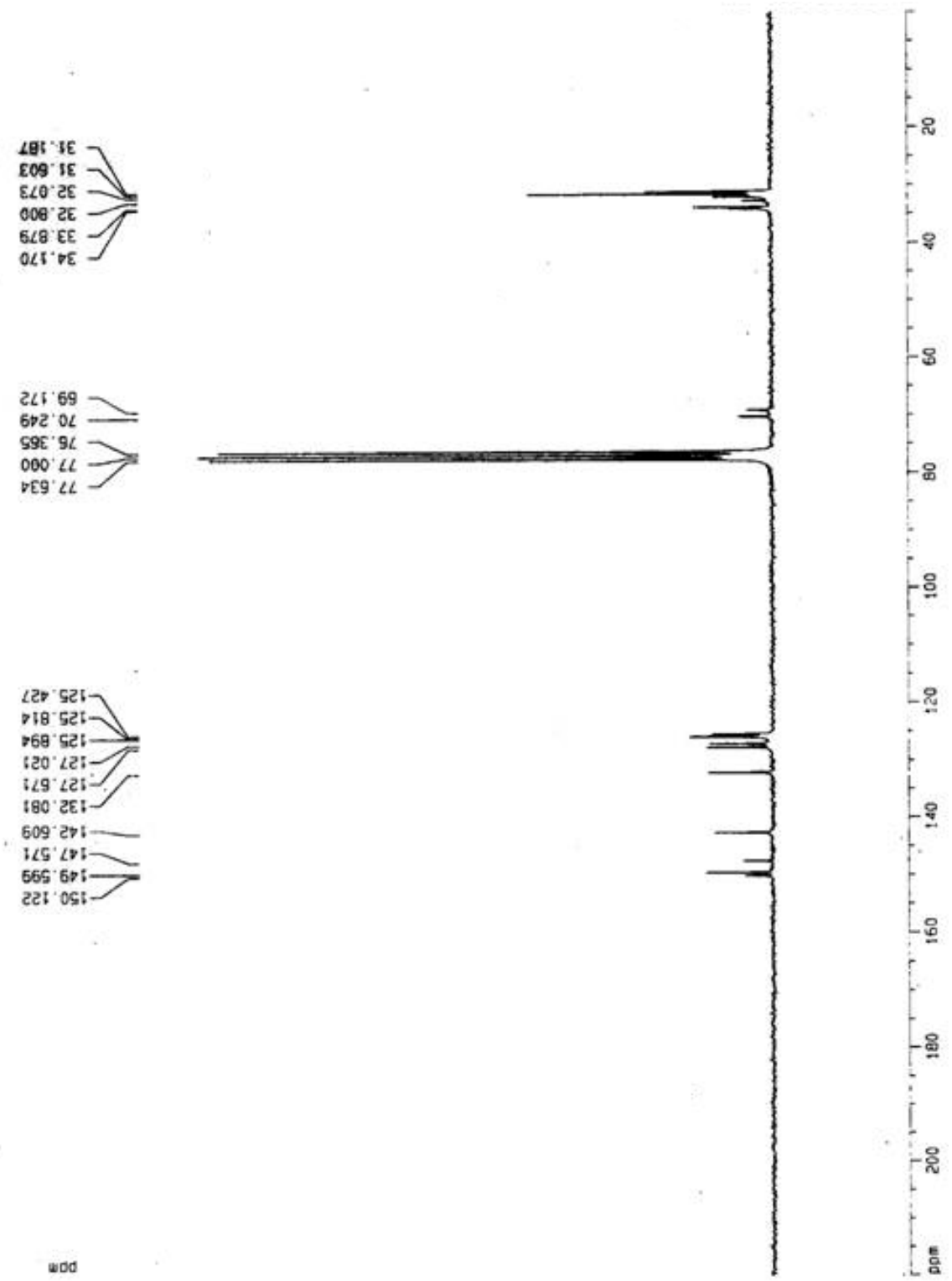

Figure S5. ^{13}C NMR spectrum of 5,11,17,23,29,35-hexa-*tert*-butyl-37,38,40,41-tetrahydroxycalix[6]arene-39,42-(crown-4) (**3**).

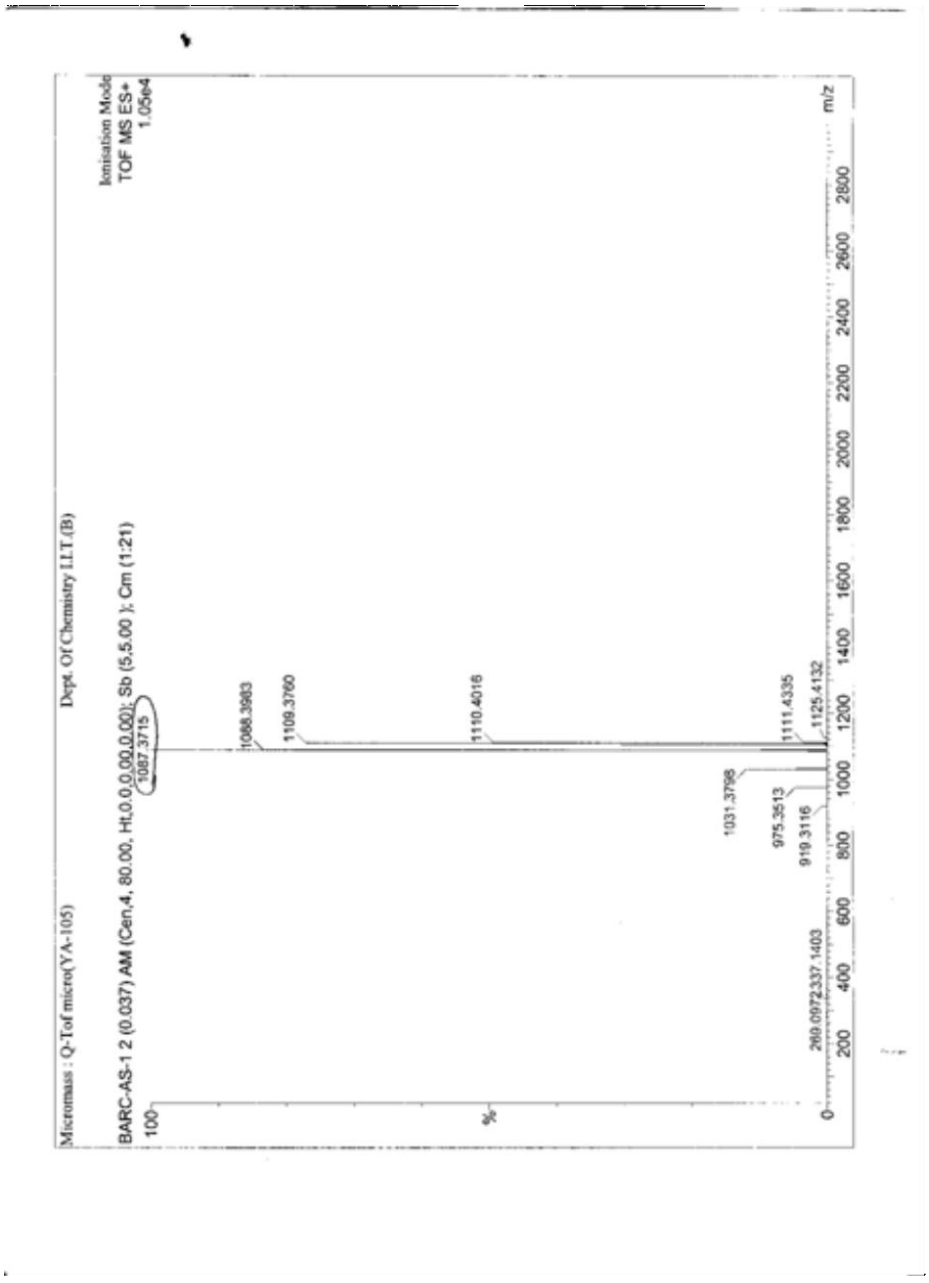

Figure S6. Mass spectrum of 5,11,17,23,29,35-hexa-*tert*-butyl-37,38,40,41-tetrahydroxycalix[6]arene-39,42-(crown-4) (**3**).