

Synthesis and characterization of new dual stimuli-responsive bisazobenzene derivatives

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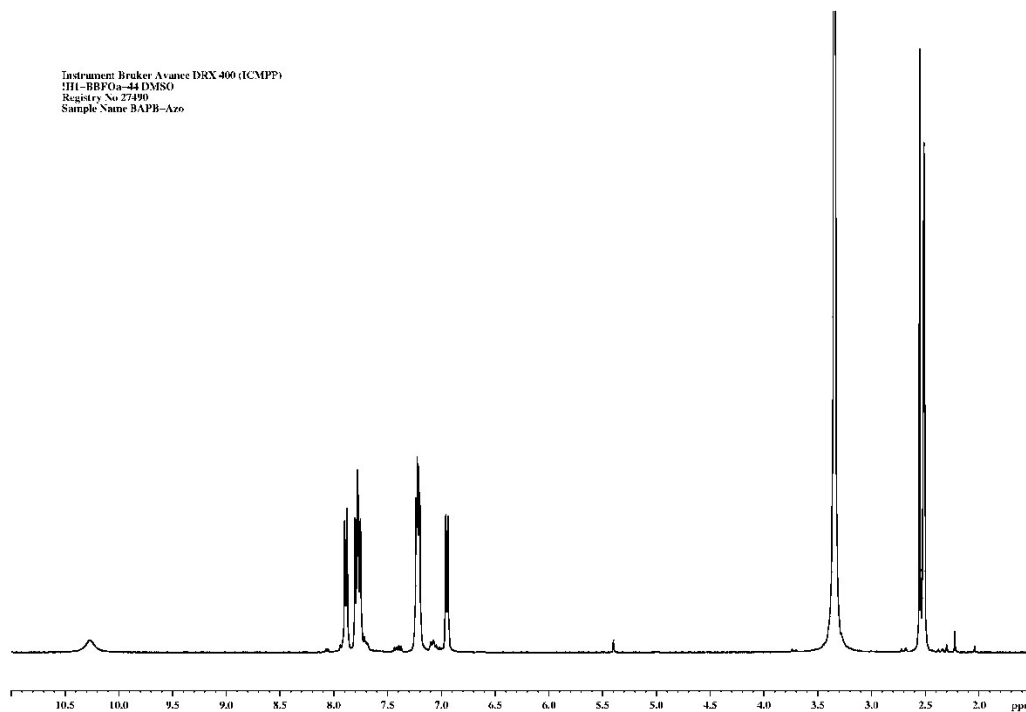


Fig. S1 ¹H NMR spectrum of the **BAPB-Azo**

Parameter Set:#C13-CPD-QNP-34 (2008.11.19) TS1.3PL8.
NMR System: Bruker Avance DRX 400 (ICMPP)
Registry No.:28731
Sample name :BAPB-Azo

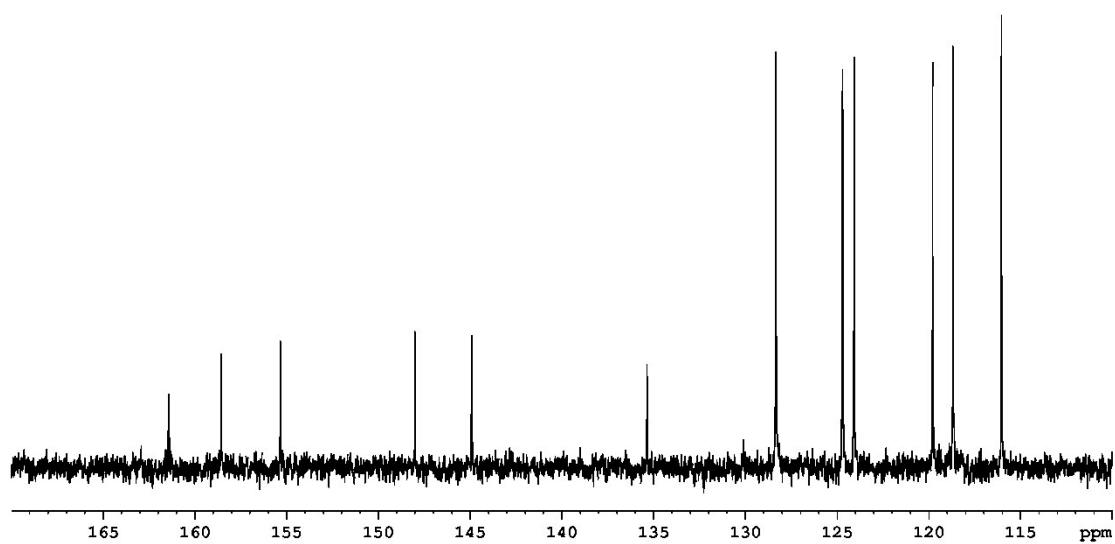


Fig. S2 ¹³C NMR spectrum of the **BAPB-Azo**

Parameter Set: #H1-QNP-34 (2008.11.19) TSI.3PL.8
NMR System: Bruker Avance DRX 400 (1CMPP)
Registry No 31994
Sample Name : BAPB-Azo-C6H5

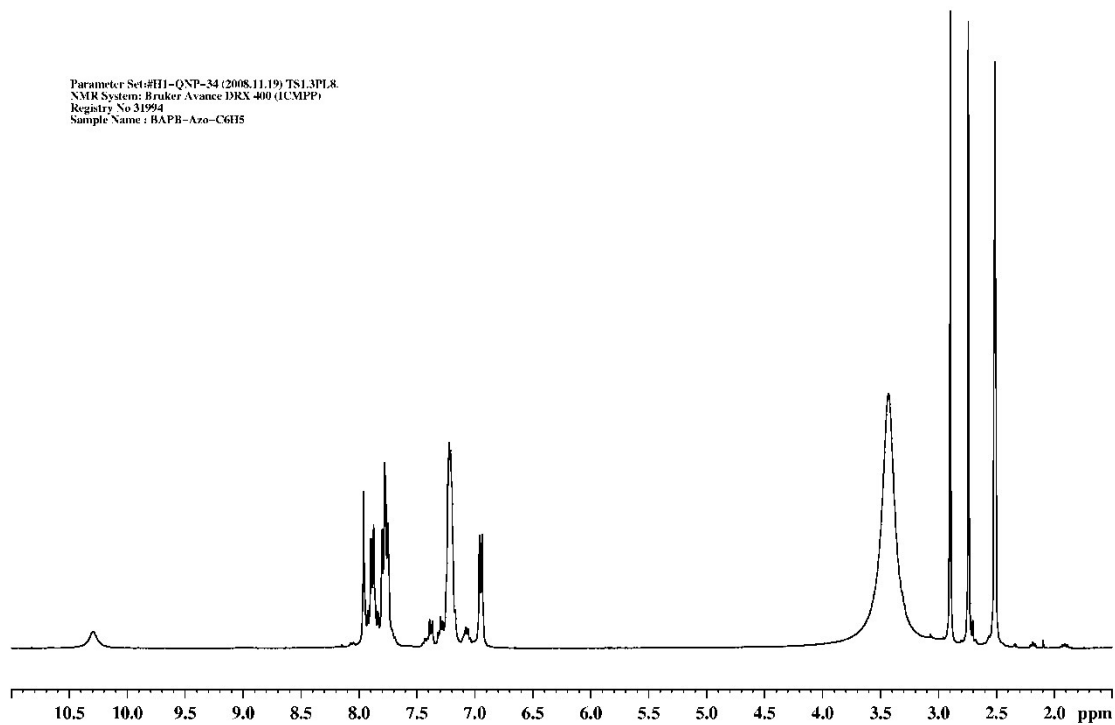


Fig. S3 ¹H NMR spectrum of the **BAPB-Azo-C₆H₅**

Instrument Bruker Avance DRX 400 (ICMPP)
Registry No 31994
Sample Name : BAPB-Azo-C6H5
#C13-CPD-QNP-34 DMSO

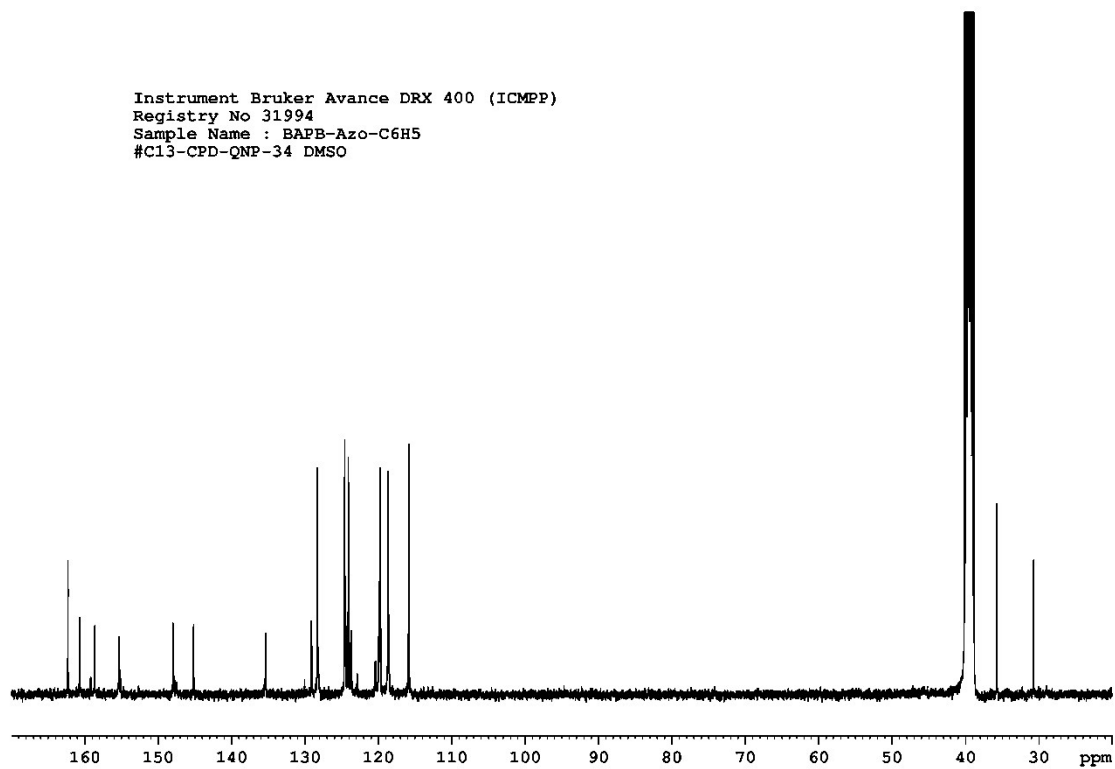


Fig. S4 ^{13}C NMR spectrum of the **BAPB-Azo-C₆H₅**

Parameter Set: %P31-BBIa-42. (AV III 14.11.04 TS 2.1PL6).
Instrument: Bruker Avance III 400 (ICMPP).
Registry No.: 10673
Sample name: BAPB-Azo-C6H5

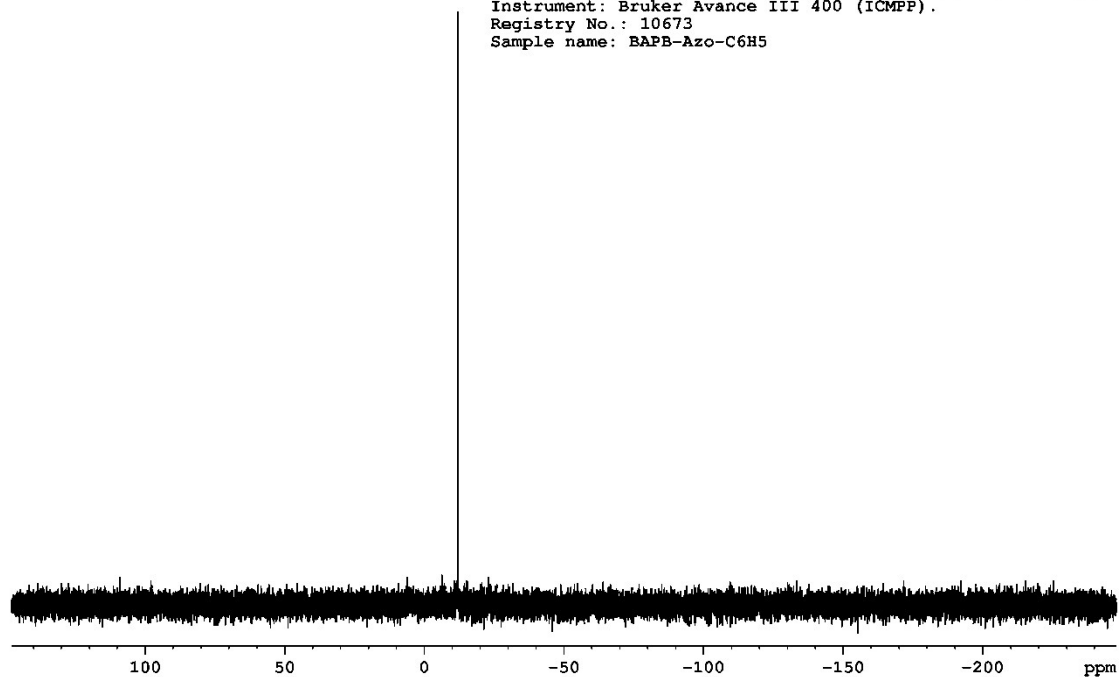


Fig. S5 ^{31}P NMR spectrum of the **BAPB-Azo-C₆H₅**

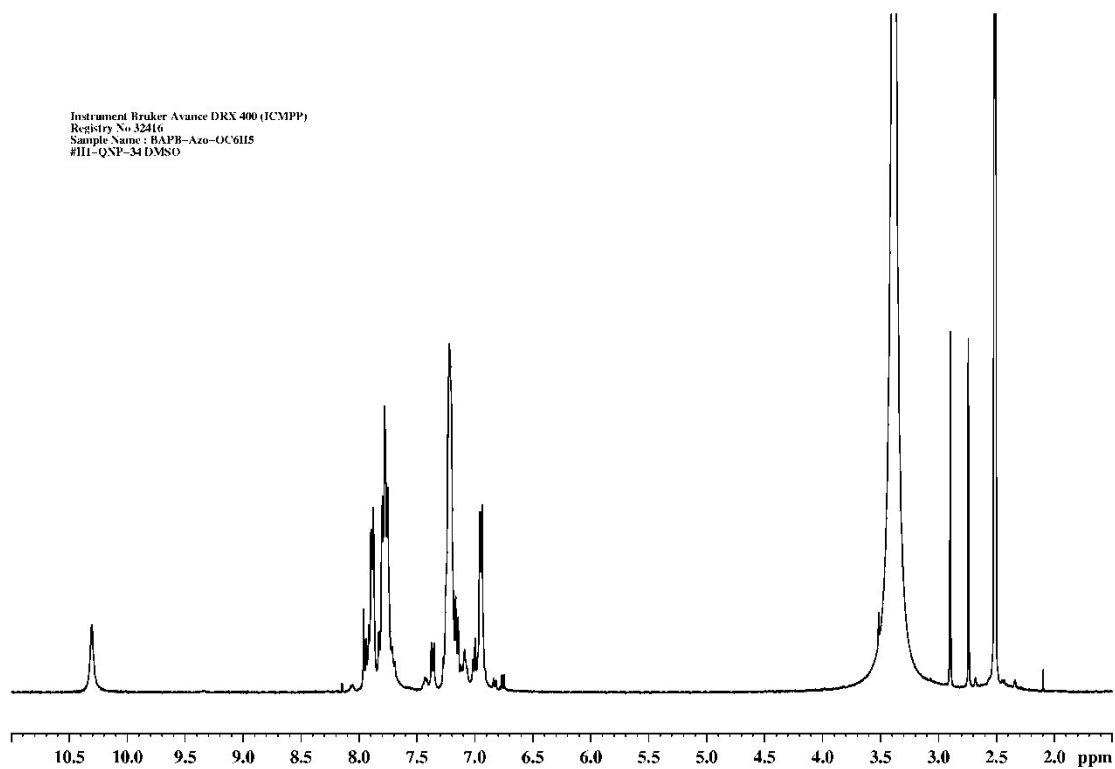


Fig. S6 ¹H NMR spectrum of the **BAPB-Azo-OC₆H₅**

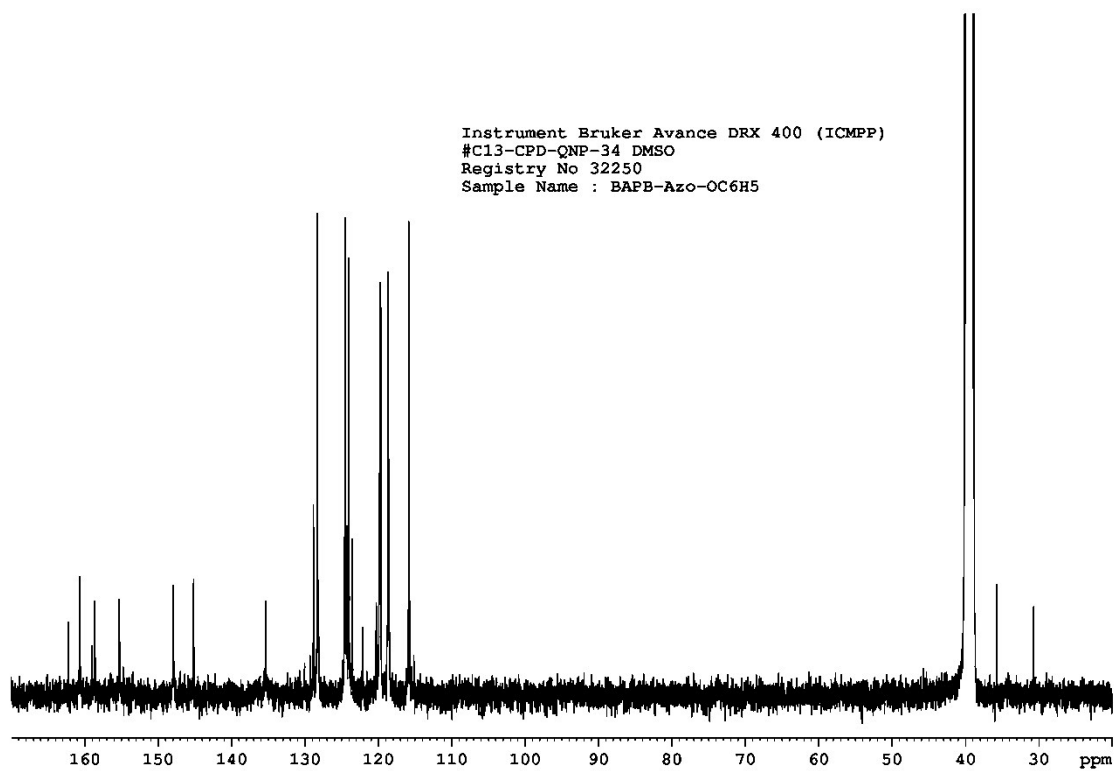


Fig. S7 ^{13}C NMR spectrum of the **BAPB-Azo-OC₆H₅**

Parameter Set: %P31-BB1a-42. (AV III 14.11.04 TS 2.1PL6).
Instrument: Bruker Avance III 400 (ICMPP).
Registry No.: 10757
Sample name: BAPB-Azo-OC6H5

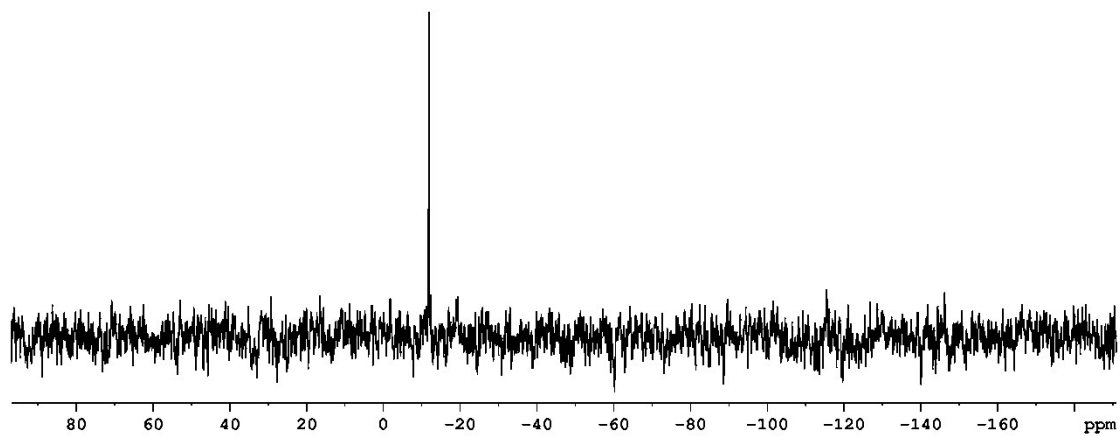


Fig. S8 ^{31}P NMR spectrum of the **BAPB-Azo-OC₆H₅**

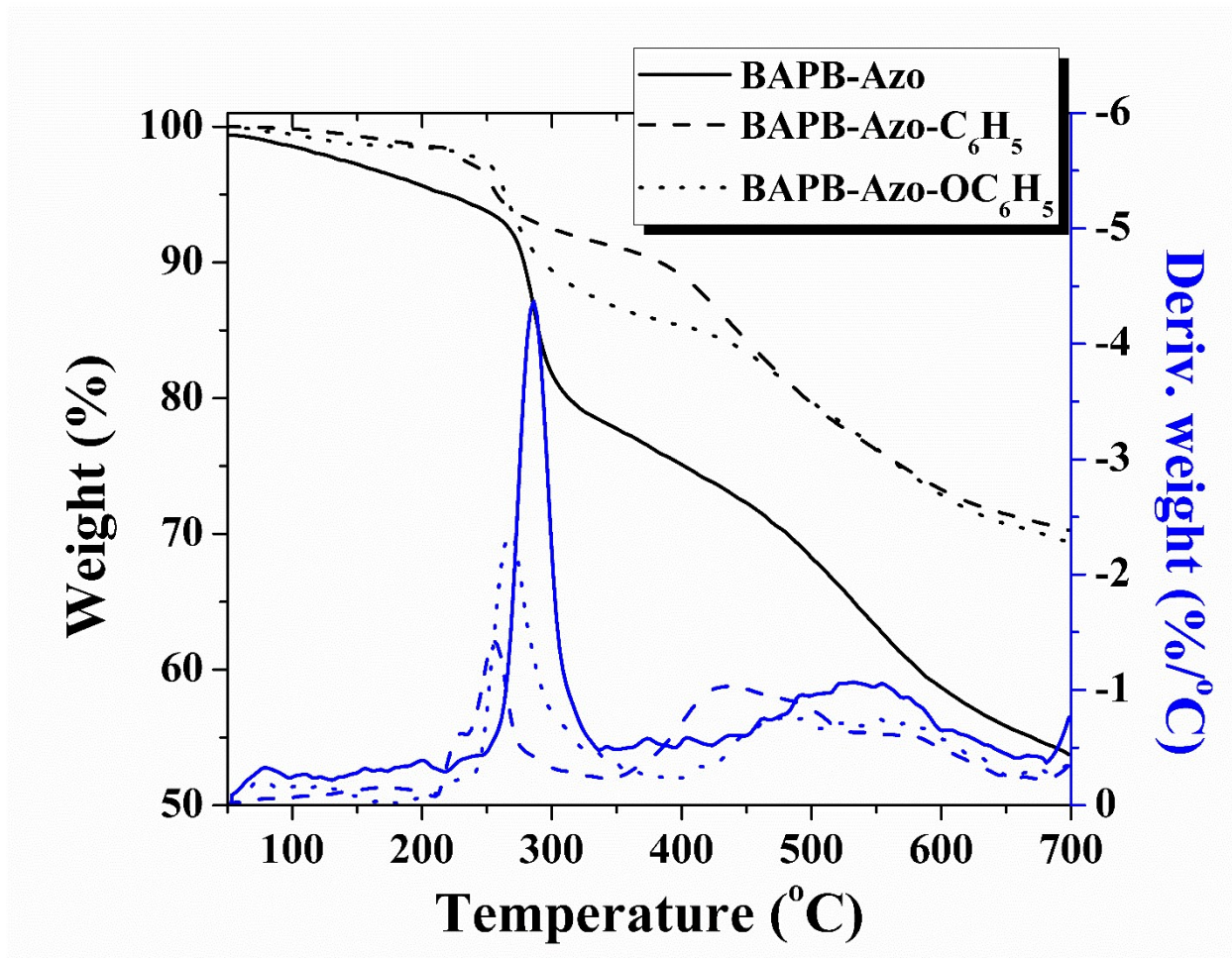


Fig. S9 TG curves for BAPB-Azo, BAPB-Azo-C₆H₅ and BAPB-Azo-OC₆H₅