

CORRECTION

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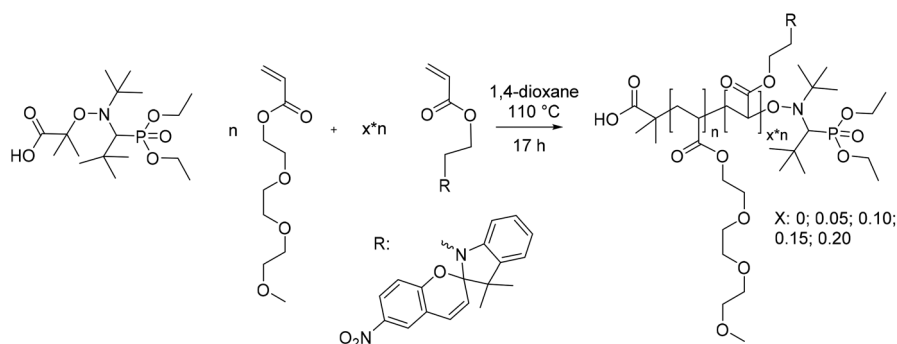
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# Correction: Synthesis and solution behaviour of dual light- and temperature-responsive poly(triethylene glycol-co-spiropyran) copolymers and block copolymers

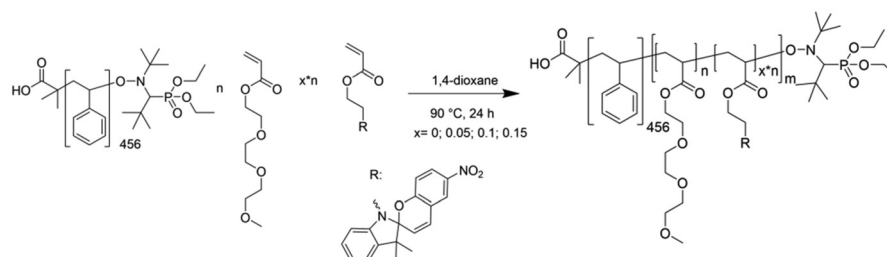
Oliver Grimm,<sup>a</sup> Sarina C. Maßmann<sup>a</sup> and Felix H. Schacher<sup>\*a,b</sup>

Correction for 'Synthesis and solution behaviour of dual light- and temperature-responsive poly(triethylene glycol-co-spiropyran) copolymers and block copolymers' by Oliver Grimm *et al.*, *Polym. Chem.*, 2019, **10**, 2674–2685.

The authors regret the errors in Schemes 1 and 2 in the original manuscript regarding the structure of the NMP initiator. The corrected Schemes 1 and 2 are shown below.



**Scheme 1** Synthesis of P(TEGA-co-SPA) in 1,4-dioxane using BlocBuilder-MA as initiator.



**Scheme 2** Copolymerisation of TEGA and SPA in various combinations using a previously synthesized PS macroinitiator.

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Furthermore, the authors would like to clarify the SEC analysis in the footnote for Table 1 and the caption for Fig. 2.

**Footnote for Table 1:**

<sup>a</sup>300 MHz <sup>1</sup>H-NMR in CDCl<sub>3</sub>; <sup>b</sup>**Triple THF-SEC**, MALLS-triple detection.

**Caption for Fig. 2:**

**THF-SEC** elution traces of the PS macroinitiator in comparison to the diblock terpolymers containing between 0 and 15% SPA in the monomer mixture (A). Number-weighted hydrodynamic radius of the diblock terpolymer micelles in pH 8 buffer solution (C); cryo-TEM micrographs of aggregates formed from the diblock copolymers: PS<sub>456</sub>-*b*-PTEGA<sub>330</sub> (B) and PS<sub>456</sub>-*b*-P(TEGA<sub>196</sub>-*co*-SPA<sub>16</sub>) (D).

To avoid any confusion, the authors would also like to add a short statement in the Experimental part concerning which type of THF-SEC setup was used in which case of analysis:

**Experimental part**

The triple detection size exclusion chromatography in tetrahydrofuran (triple THF-SEC) **used for the determination of the molecular weight of the copolymers** was performed on a Shimadzu system consisting of a controller (CBM-20A), a degasser (DGU-14A), a pump (LC-10AD vp), an oven (CTO-10A vp) at 40 °C, and four detectors: UV (SPD-10AD VP), RI (RID-10A), viscosity (PSS ETA-2010), and multi angle light scattering (PSS SLD 7000;  $\lambda$  = 660 nm). The system operates with THF as eluent at a flow rate of 1 mL min<sup>-1</sup>. The columns were PSS SDV guard/linear M calibrated with polystyrene, poly (methyl methacrylate), polyethylene glycol and polylactide standards in a molecular weight range of approximately 400–1 000 000 g mol<sup>-1</sup>.

Size exclusion chromatography in tetrahydrofuran (THF-SEC) **used for the determination of the molecular weight of the diblock terpolymers** was performed on an Agilent 1260 system equipped with a G1330B pump, a PSS TC6001 oven at 30 °C, a G1362A refractive index detector, and a G1315D UV detector at 365 nm. THF was used as eluent at a flow rate of 1 mL min<sup>-1</sup> on three PSS SDV guard columns (100/1000/100 000 Å). The system was calibrated with polystyrene, poly(methyl methacrylate), poly (ethylene glycol), and polyisoprene standards from PSS (Mainz, Germany) with a molecular weight range of 200–2 000 000 g mol<sup>-1</sup>.

Finally, on page 2682, the monomer has been wrongly termed as 2-(2-(2-hydroxyethoxy)ethoxy)ethyl acrylate (TEGA). The correct denomination of the monomer used in this study is **2-(2-(2-methoxyethoxy) ethoxy) ethyl acrylate (TEGA)**.

The Royal Society of Chemistry apologises for these errors and any consequent inconvenience to authors and readers.

