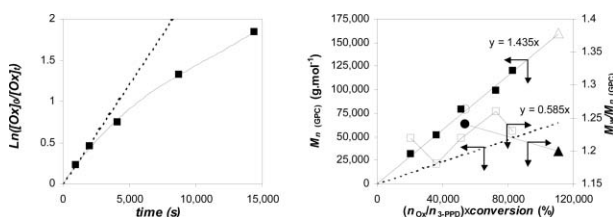


## Non-steady-state living polymerization: a new route to control cationic ring-opening polymerization (CROP) of oxetane *via* an activation chain end (ACE) mechanism at ambient temperature

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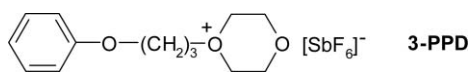
*Chem. Commun.*, 2003 (DOI: 10.1039/b417076h)

The contents entry published for this article was incorrect; the correct version is shown below.

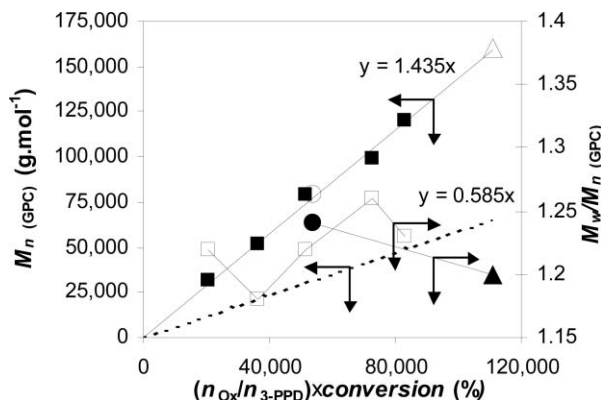


Well-defined polyoxetane with low polydispersity ( $M_n = 11,850\text{--}160,000\text{ g}\cdot\text{mol}^{-1}$ ,  $\text{PDI} = 1.18\text{--}1.28$ ) were synthesized via a novel living polymerization process using 3-phenoxypropyl 1,4-dioxanium hexafluoroantimonate (3-PPD) as a model of a living “monomeric polyoxetane” initiator, in 1,4-dioxane at  $35\text{ }^\circ\text{C}$ .

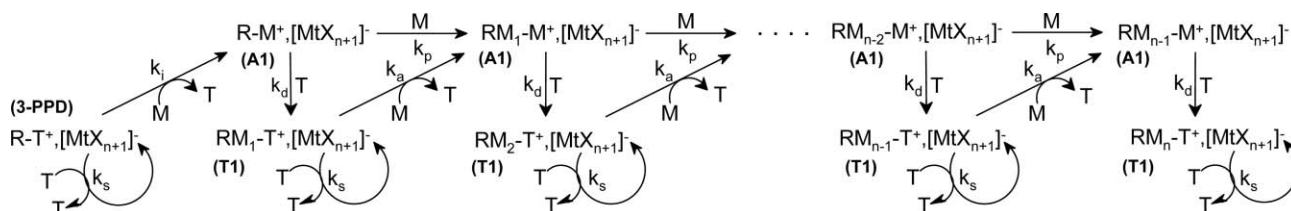
The figures were also incorrect; correct versions are shown below.



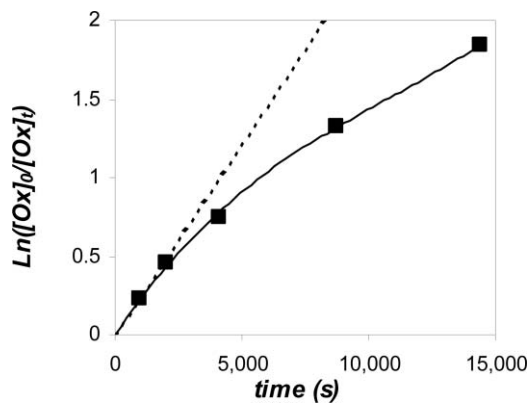
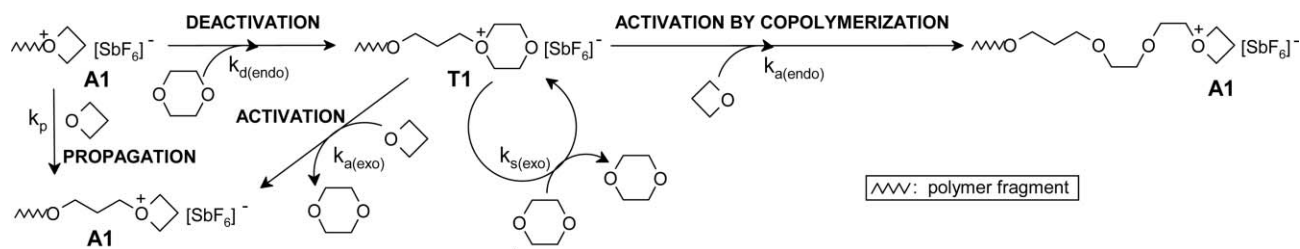
Structure of 3PPD.



**Fig. 1** Dependence of  $M_n$  (GPC) ( $\blacksquare, \circ, \triangle$ ) and  $M_w/M_n$  (GPC) ( $\square, \bullet, \blacktriangle$ ) on conversion for the polymerization of 1.125 M of oxetane initiated by 0.00114 M of 3PPD in 1,4-dioxane at  $35\text{ }^\circ\text{C}$  ( $\blacksquare, \square$ ) and after chain expansion polymerization of polyoxetane ( $\blacktriangle, \triangle$ ) obtained by addition of monomer solution onto active polymer solution ( $\bullet, \circ$ ), almost free of monomer issue from the polymerization of 1.125 M of oxetane by 0.002 M of 3PPD in 1,4-dioxane at  $35\text{ }^\circ\text{C}$ . (---) is the theoretical dependence of  $M_n$  vs. conversion computed for  $M_w/M_n = 1.0$  and for 100% initiator efficiency.<sup>8,†</sup>



Scheme 1



**Fig. 2** Dependence  $\ln([Ox]_0/[Ox]_t)$  vs. time in 1,4-dioxane at 35 °C, where  $[Ox] = 1.125 \text{ M}$  and  $[3\text{-PPD}] = 0.00114 \text{ M}$ .†

Reference 1 should read as follows:

- 1 J. P. Kennedy, T. Kelen and F. Tüdös, *J. Macromol. Sci. Chem. A*, 1982, **18**, 1189; R. Faust, A. Fehérvári and J. P. Kennedy, *J. Macromol. Sci. Chem. A*, 1982, **18**, 1209; J. Puskas, G. Kaszas, J. P. Kennedy, T. Kelen and F. Tüdös, *J. Macromol. Sci. Chem. A*, 1982, **18**, 1245; J. Puskas, G. Kaszas, J. P. Kennedy, T. Kelen and F. Tüdös, *J. Macromol. Sci. Chem. A*, 1982, **18**, 1229; J. M. Sawamoto and J. P. Kennedy, *J. Macromol. Sci. Chem. A*, 1982, **18**, 1301; J. P. Kennedy, *J. Polym. Sci. Part A: Polym. Chem.*, 1999, **37**, 2285.

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

Additions and corrections can be viewed online by accessing the original article to which they apply.