

Supporting Information

for

Dual-initiator alkoxyamines with an N-tert-butyl-N-(1-diethylphosphono-2,2-dimethylpropyl) nitroxide moiety for preparation of block co-polymers

Gérard Audran,^a Elena Bagryanskaya,^{b,c} Mariya Edeleva,^{b,c*} Sylvain R. A. Marque,^{a,b*} and
Toshihide Yamasaki^a

^a Aix Marseille Univ, CNRS, ICR, UMR 7273, case 551, Avenue Escadrille Normandie-Niemen, 13397 Marseille Cedex 20 France.

E-mail: sylvain.marque@univ-amu.fr

^b N. N. Vorozhtsov Novosibirsk Institute of Organic Chemistry SB RAS, Pr. Lavrentjeva 9, 630090 Novosibirsk, Russia.

edeleva@nioch.nsc.ruc

^c Novosibirsk State University, Pirogova str. 2, 630090 Novosibirsk, Russia.

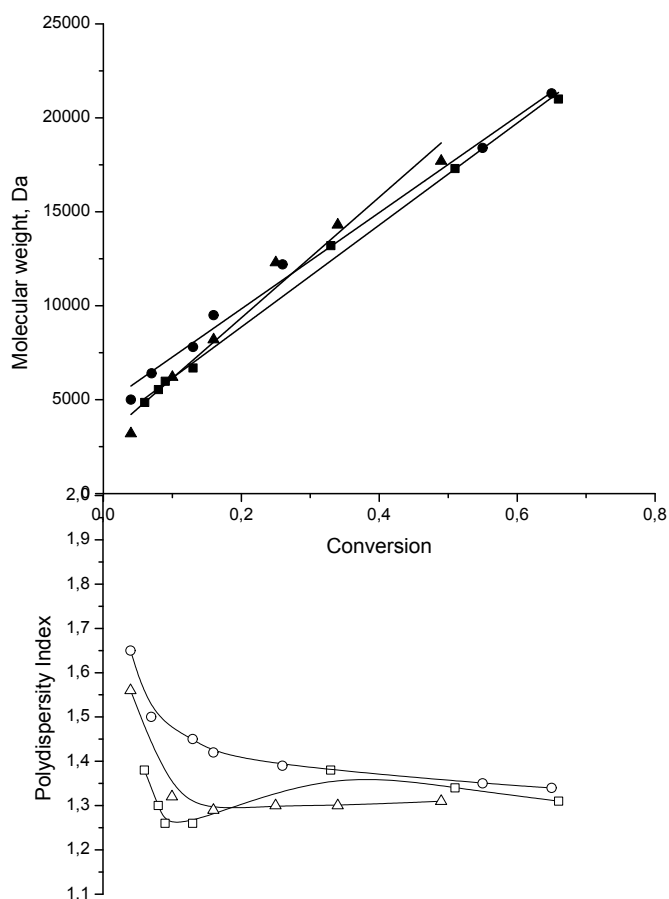


Fig. 1SI. Comparison of M_n vs. conversion (full symbols) and polydispersity vs. conversion (empty symbols) plots for of styrene polymerization at 110 °C in mass initiated with $\mathbf{3e}$ (\blacksquare , \square), $\mathbf{K3f}$ (\bullet , \circ) and $\mathbf{Zn(3f)_2}$ (\blacktriangle , \triangle).

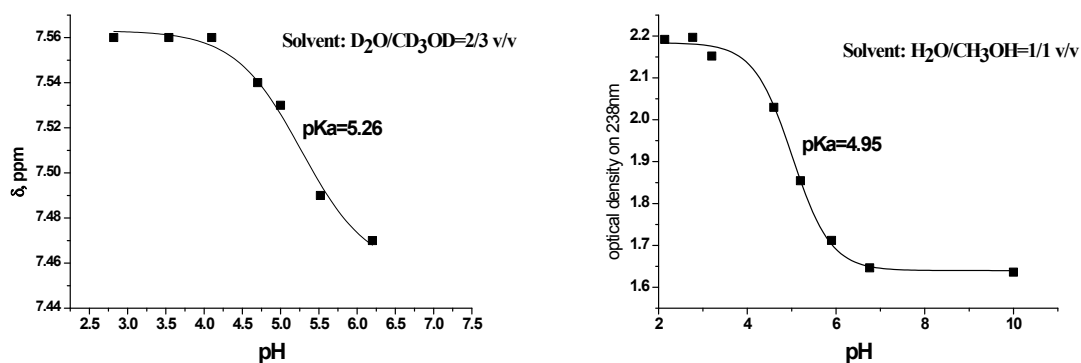


Fig. 2SI. Titration curves for alkoxyamine $\mathbf{3e}$ in deuterated solvent (left) and in common solvent (right). The values of pK_a are listed in the graphs.