

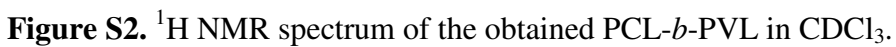
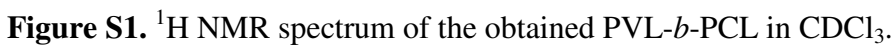
Supporting Information

Diphenyl Phosphate as an Efficient Cationic Organocatalyst for Controlled/Living Ring-Opening Polymerization of δ -Valerolactone and ϵ -Caprolactone

*Kosuke Makiguchi, Toshifumi Satoh, and Toyoji Kakuchi**

Graduate School of Chemical Sciences and Engineering and Faculty of Engineering, Hokkaido
University, Sapporo, 060-8628, Japan

Hokkaido University.



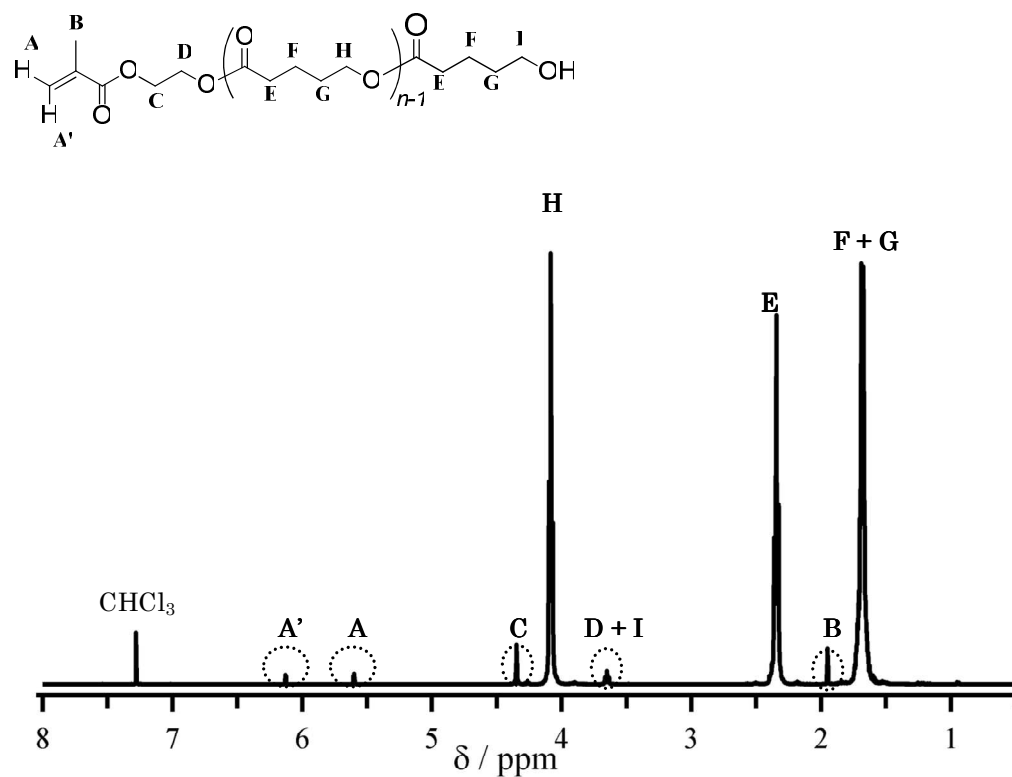


Figure S3. 1H NMR spectrum of the obtained PVL functionalized by HEMA (Table 2, run 1) in $CDCl_3$.

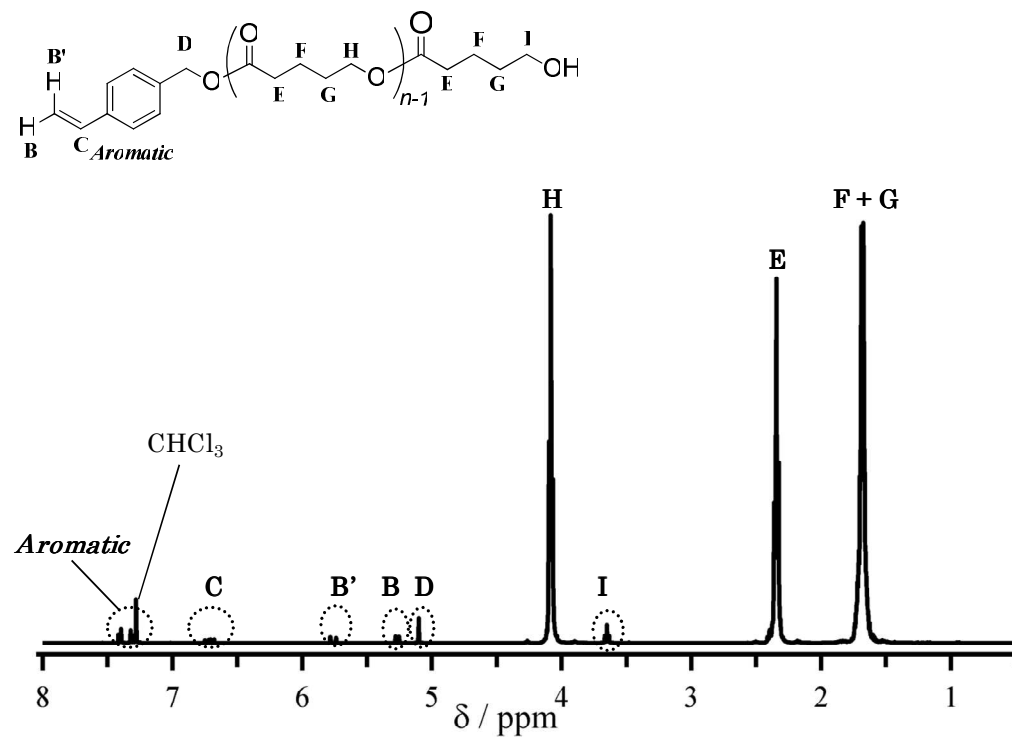
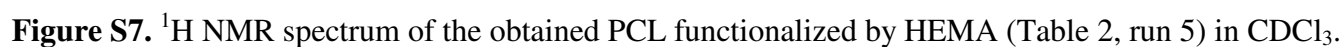


Figure S4. 1H NMR spectrum of the obtained PVL functionalized by VBA (Table 2, run 2) in $CDCl_3$.





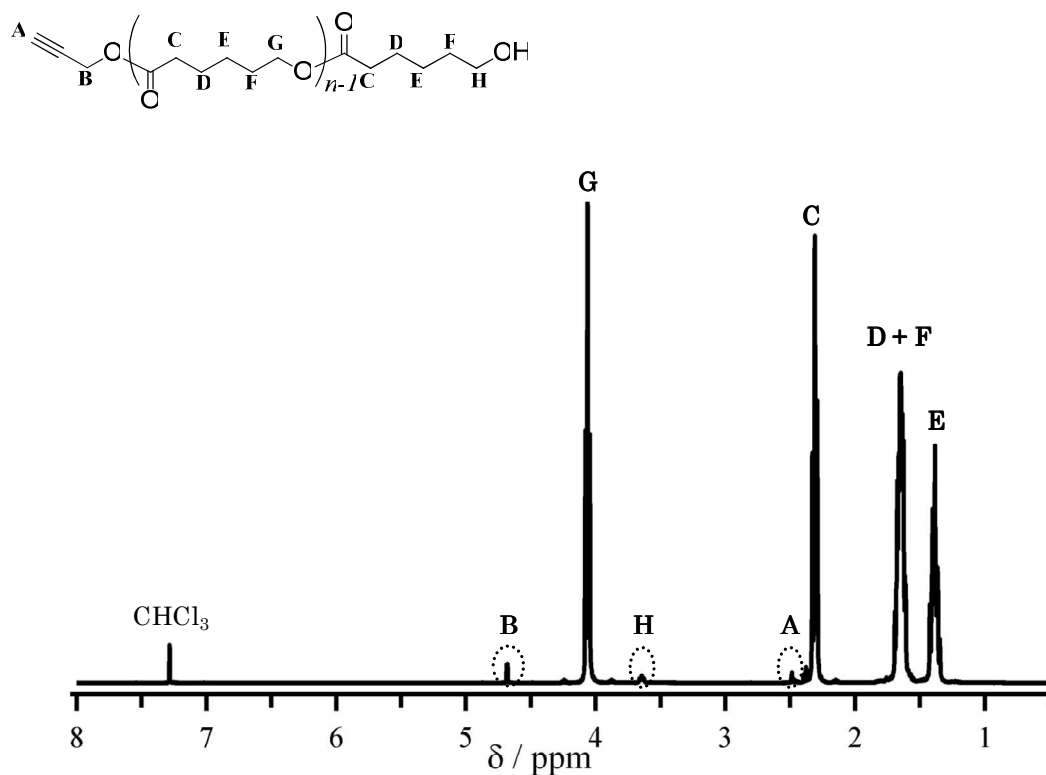


Figure S9. ¹H NMR spectrum of the obtained PCL functionalized by PGA (Table 2, run 7) in CDCl₃.

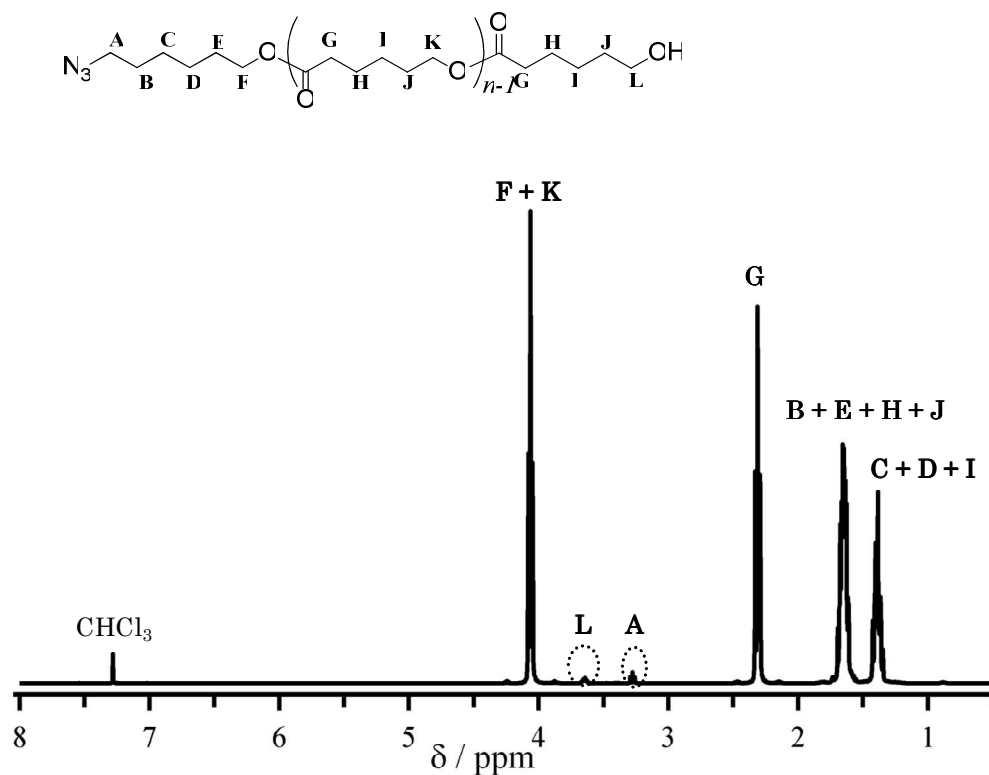


Figure S10. ¹H NMR spectrum of the obtained PCL functionalized by AHA (Table 2, run 8) in CDCl₃.