

Supporting Information

Synthesis of Telechelic Olefin Polymers via Catalytic Chain Growth on Multinuclear Alkylene Zinc Compounds

Haruyuki Makio, Takashi Ochiai, Jun-ichi Mohri, Kouji Takeda, Toshiyuki Shimazaki, Yoko Usui, and Terunori Fujita

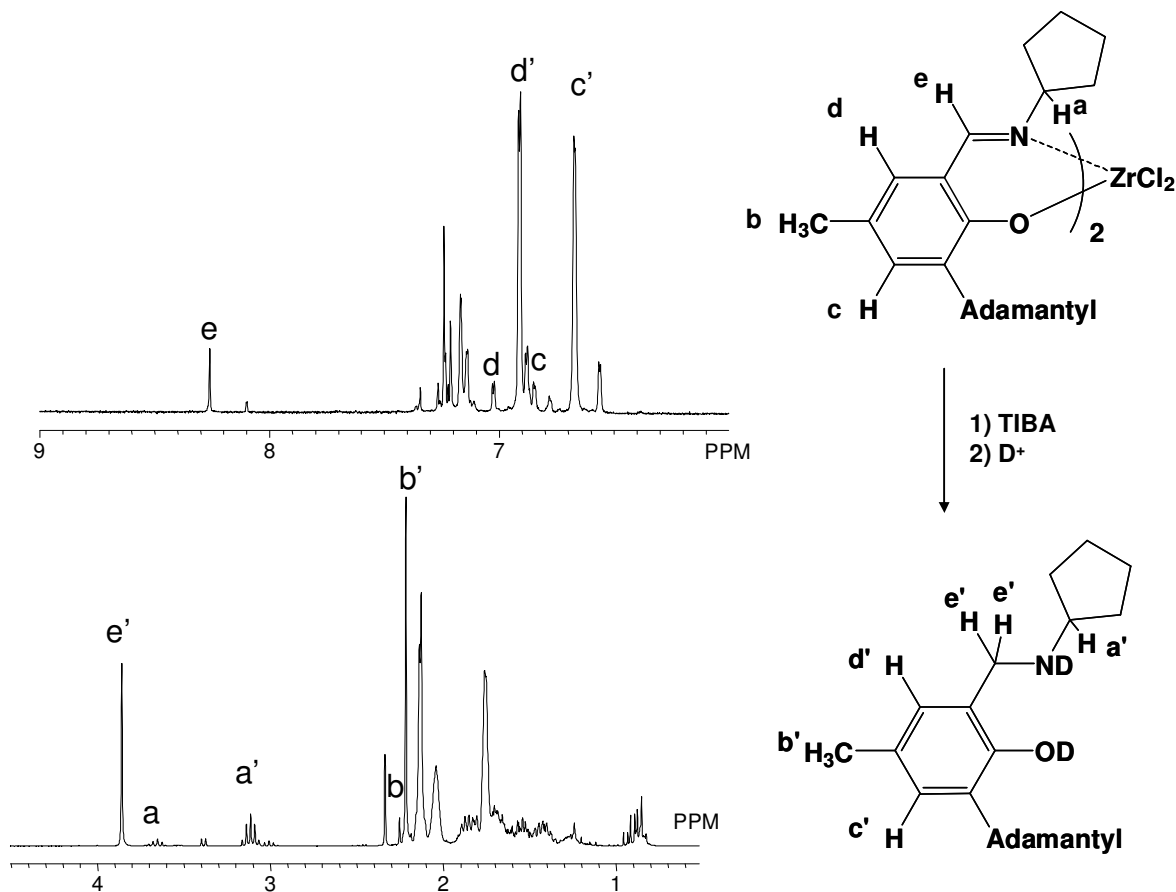
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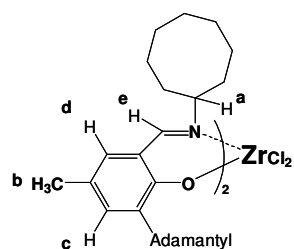
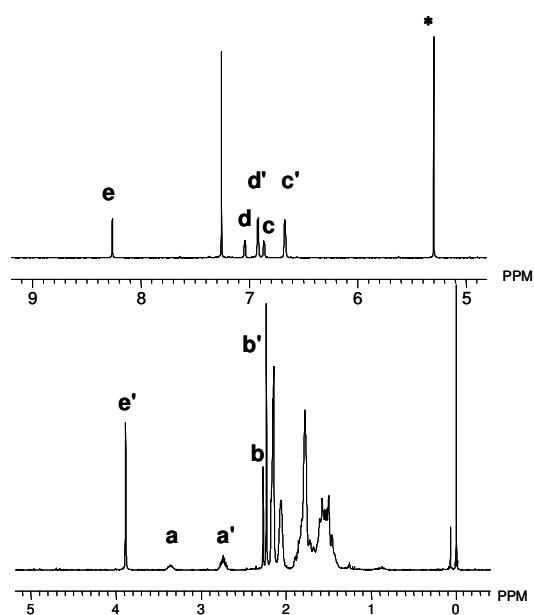
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Determination of the degree of imine reduction with FI catalysts

Complex **5**: 89%

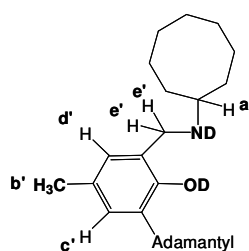


Complex 18: 69%

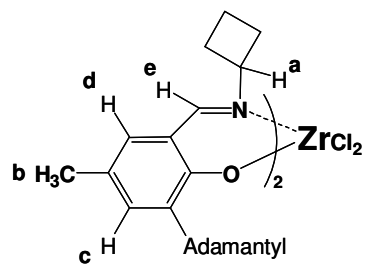
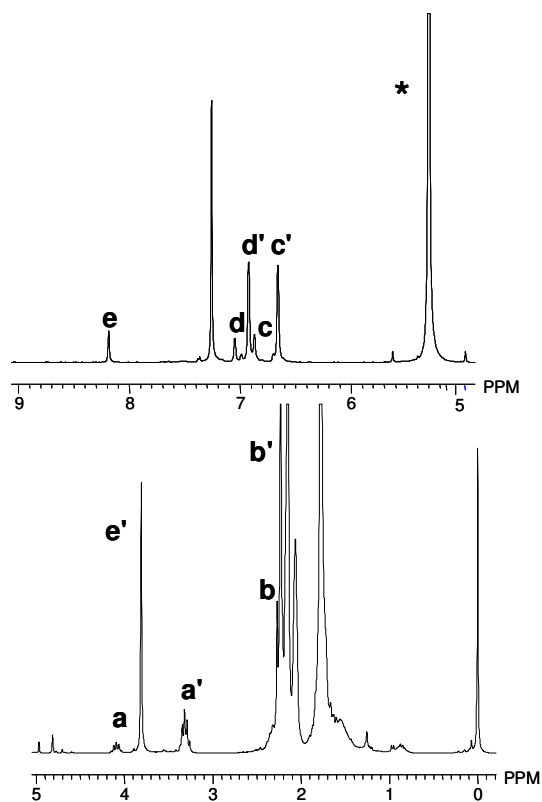


1) TIBA

2) D⁺

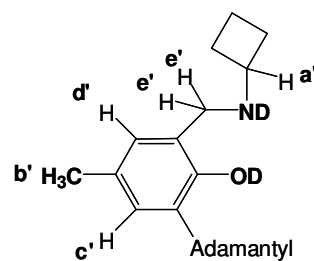


Complex 19: 82%

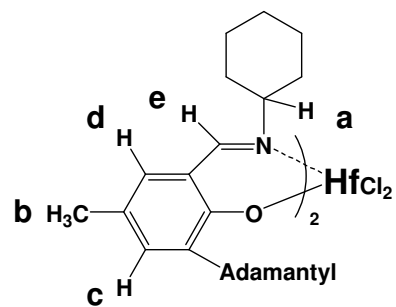
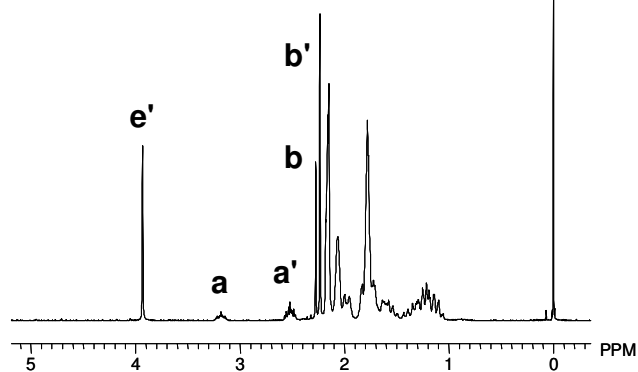
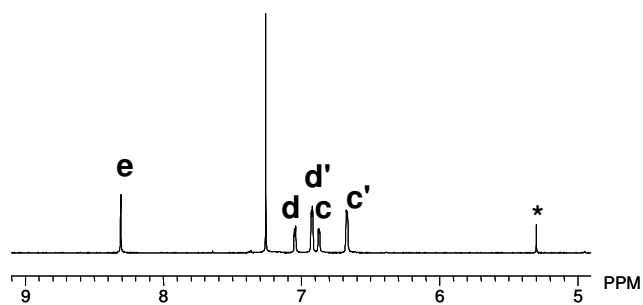


1) TIBA

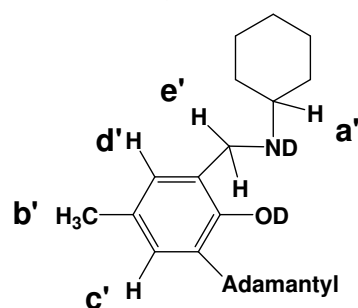
2) D⁺



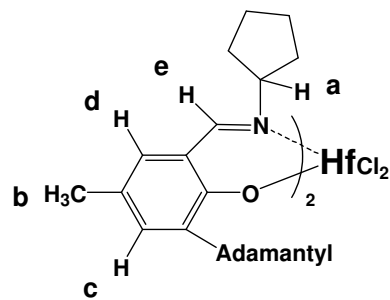
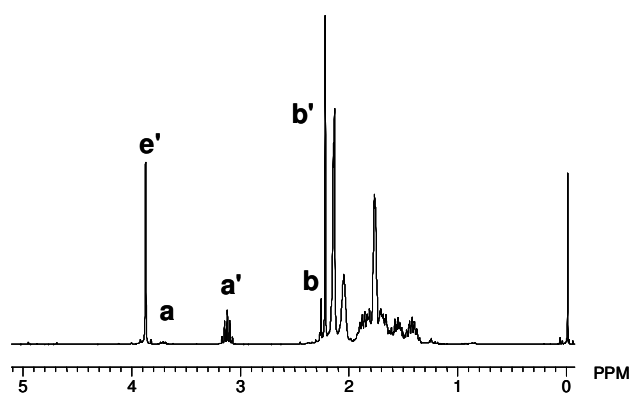
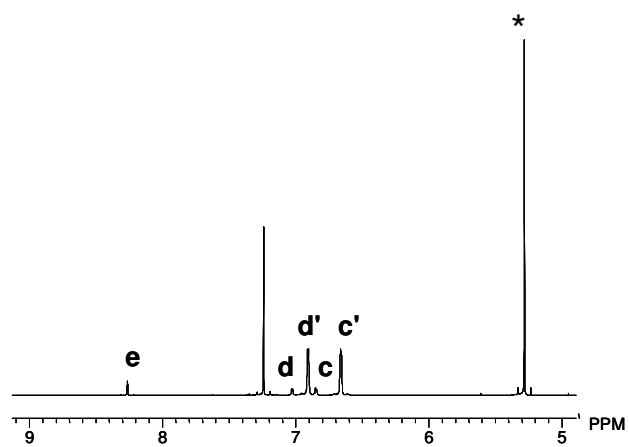
Complex 4: 67%



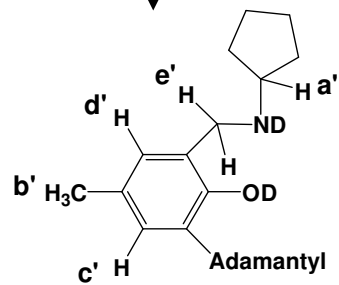
1) TIBA
2) D⁺



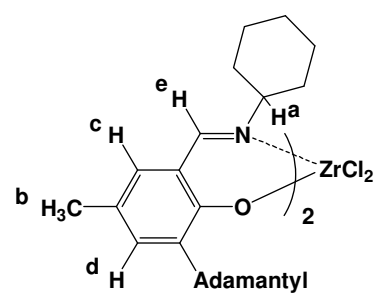
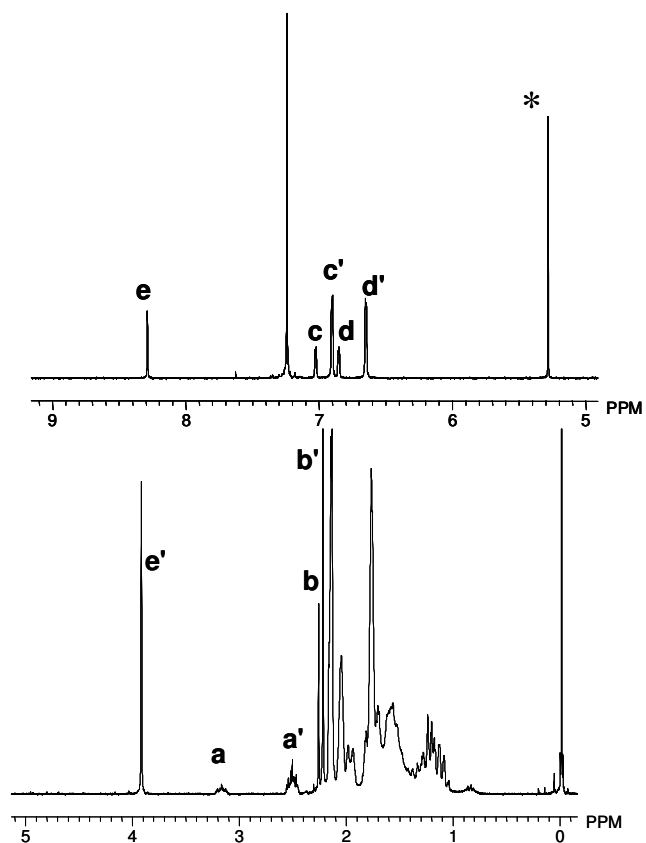
Complex 6: 89%



1) TIBA
2) D⁺

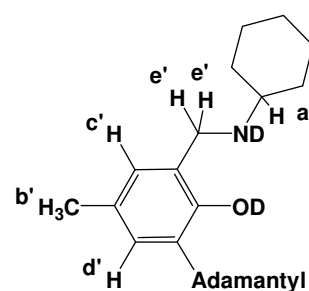


Complex 3 (Al/Zr = 60): 75%

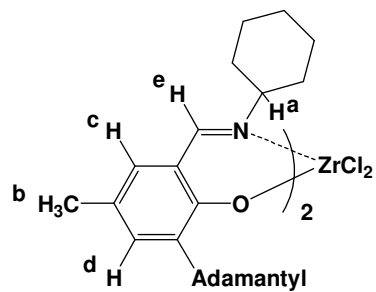
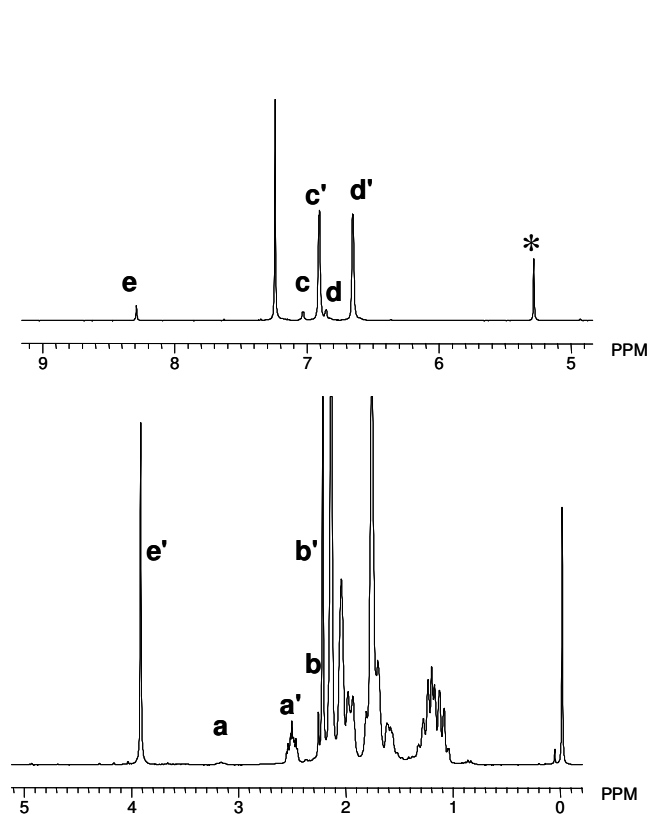


Al/Zr = 60

1) TIBA
2) D⁺

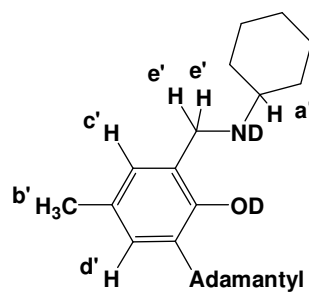


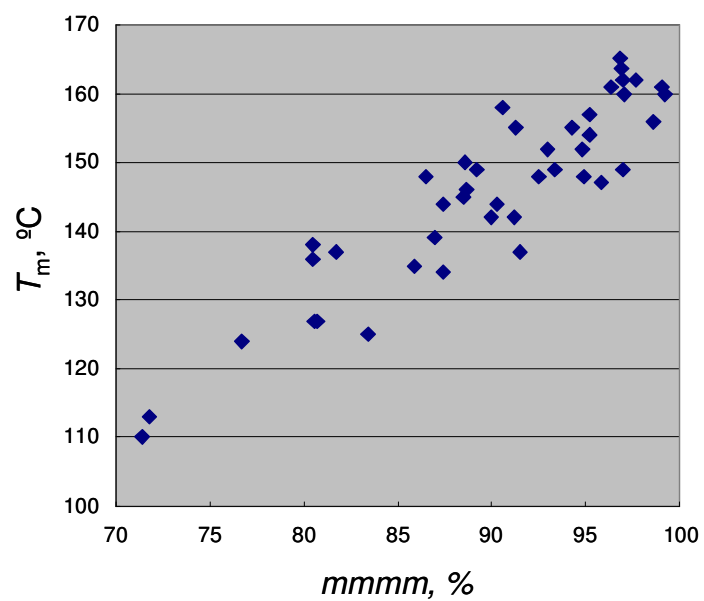
Complex 3 (40 °): 90%



40 °C

1) TIBA
2) D⁺





A relationship between T_m and $mmmm$ for isotactic PP (data points were taken from ref. 5 and 10).