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Synthesis of core cross-linked star polymers carrying helical poly(phenyl isocyanide) arms via “core-first” strategy and their surface chiral recognition ability

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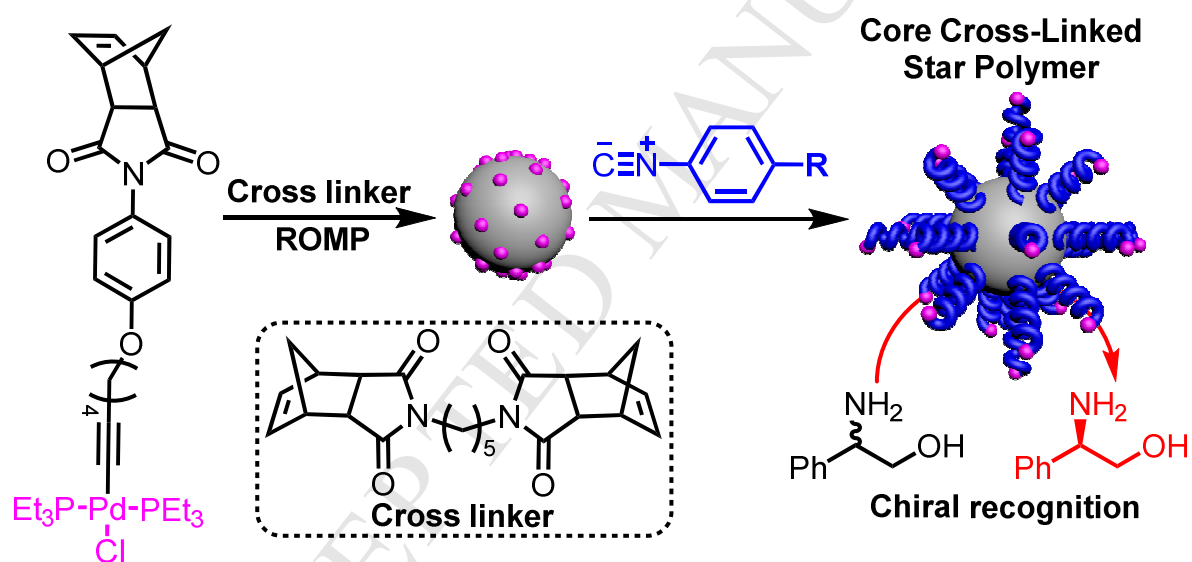
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## Graphical Abstract:

In this research, we synthesized a series of core cross-linked star polymers bearing helical poly(phenyl isocyanide) arms through one pot strategy by the combination of ROMP (ring-opening metathesis polymerization) and Pd(II)-initiated isocyanide polymerization. The optically active core cross-linked star polymers showed good chiral recognition capabilities toward racemic D/L-phenylglycinol.



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