

Soluble polyimides bearing (*cis*, *trans*)-hydrogenated bisphenol A and (*trans*, *trans*)-hydrogenated bisphenol A moieties: synthesis, properties and the conformational effect

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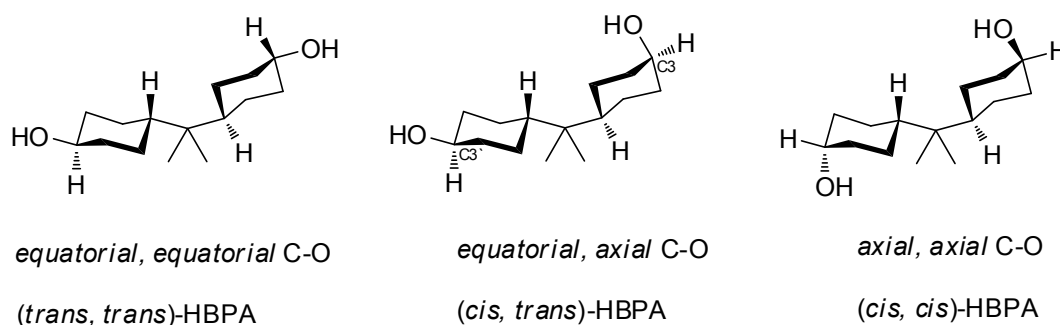


Figure S1 Conformation structure of HBPA isomers, including (*trans, trans*)-HBPA, (*cis, cis*)-HBPA, (*cis, trans*)-HBPA.

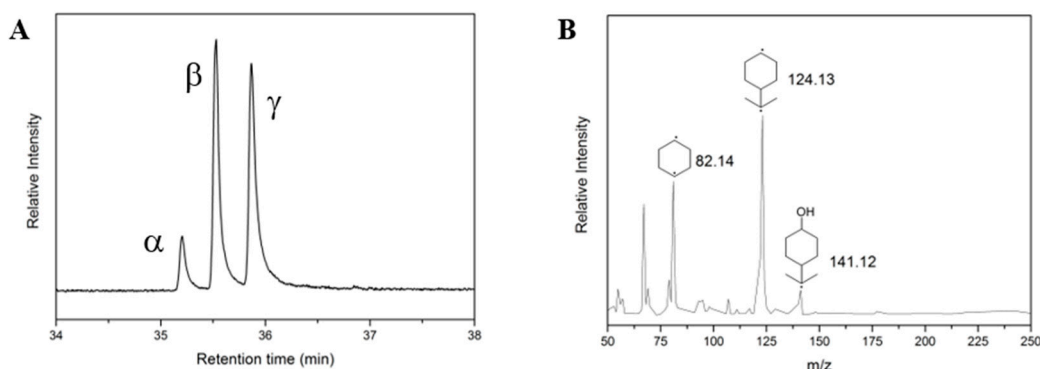


Figure S2 (A) GC-MS of HBPA. Component α : (*cis, cis*)-HBPA, 8%; Component β : (*cis, trans*)-HBPA, 45%; Component γ (*trans, trans*)-HBPA, 47%. (B) Fragment ion peak of component γ .

Condition parameters of GC-MS: Instrument model: GCMS-QP2010, SHIMADZU; Column model: DB-5MASS; Stationary phase: polymethylsiloxane; Mobile phase: Helium. Heating condition: 5 °C/min, 50 °C-280 °C.

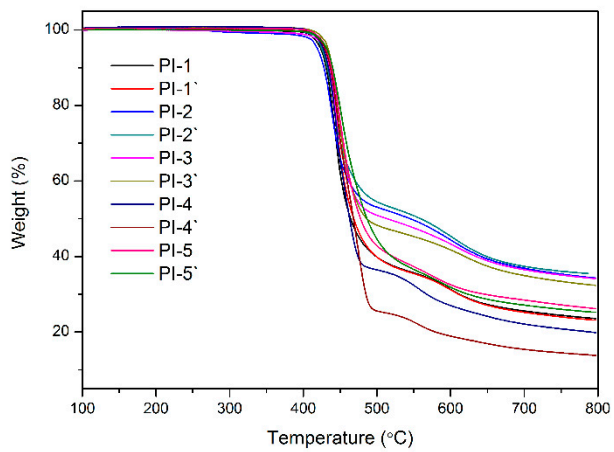


Figure S3 TGA curves of PI-(1-5) and PI-(1'-5') in N₂.