

Materials List for:

## Controlled Photoredox Ring-Opening Polymerization of *O*-Carboxyanhydrides Mediated by Ni/Zn Complexes

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## **Materials**

N	To	0-4-1 N	0
Name	Company	Catalog Number	Comments
Ni(COD) <sub>2</sub>	Strem	28-0010	Stored in the glove box freezer.
2,2'-bipyridine	Strem	07-0290	Stored in the glove box freezer.
Zn(HMDS) <sub>2</sub>	N/A	N/A	Synthesized following reported procedures. <sup>25</sup> Stored in the glove box freezer.
Benzyl alcohol	Sigma-Aldrich	402834	Stored with 4Å molecular sieve
Ir[dF(CF <sub>3</sub> )ppy] <sub>2</sub> (dtbbpy)PF <sub>6</sub>	Strem	77-0425	Stored in the glove box freezer.
THF	Sigma-Aldrich	34865	Dried by alumina columns and stored with 4Å molecular sieve in the dark bottle in the glove box.
Ethanol	Sigma-Aldrich	793175	
GPC with an isocratic pump	Agilent	Agilent 1260 series	
Dawn Heleos II Light Scatterer	Wyatt		
Optilab rEX differential refractive index detector	Wyatt		
Size exclusion columns	Phenomenex		
Glass Scintillation Vials - 7 ml	VWR		
FTIR spectrometer	Agilent		
Stir bars	VWR	58948-091	
Balance			
Glove box	Mbraun	Labstar Pro	

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