

***Electronic Supporting Information:***

**Amalgamating 4'-substituted 4,2':6',4''-terpyridine ligands with double-helical chains or ladder-like networks**

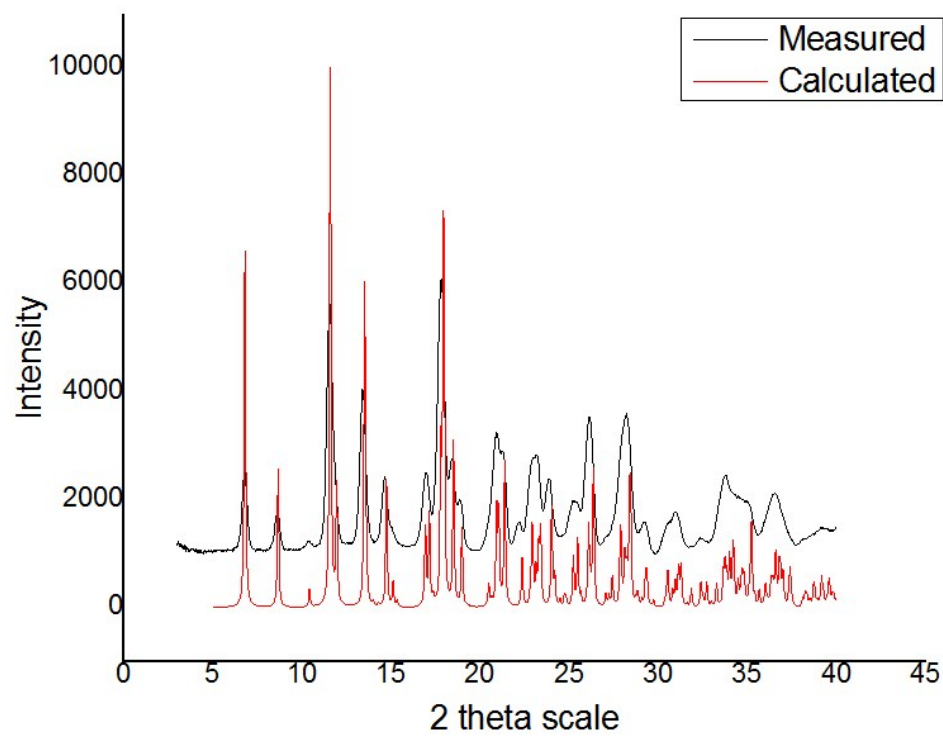
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**Fig. S1. Measured and simulated powder X-ray diffraction (PXRD) profile for compound 1.**



**Fig. S2. Measured and simulated powder X-ray diffraction (PXRD) profile for compound 2.**

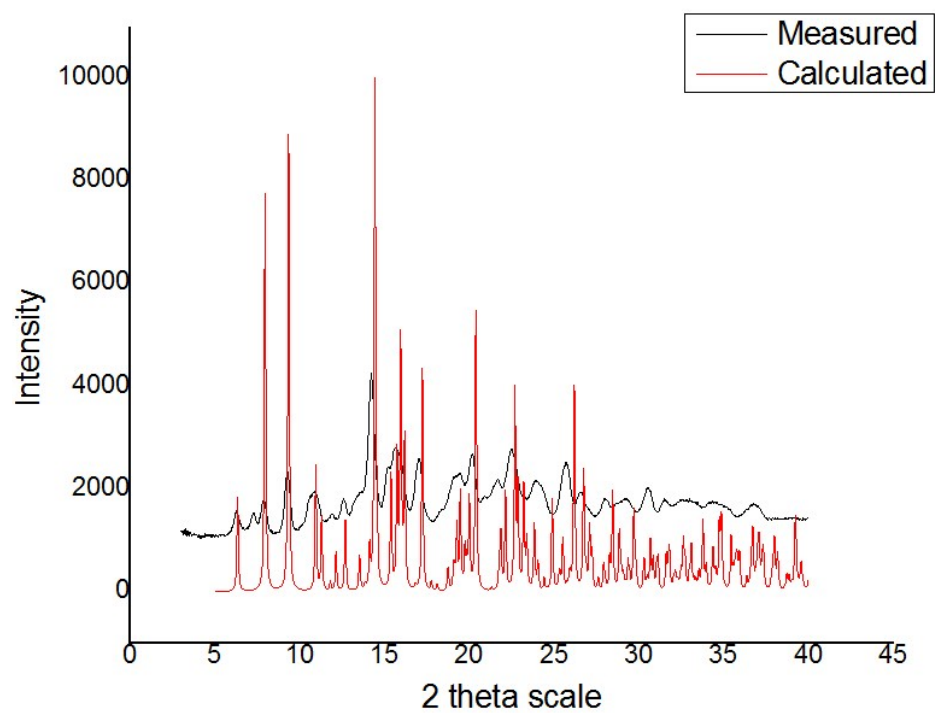
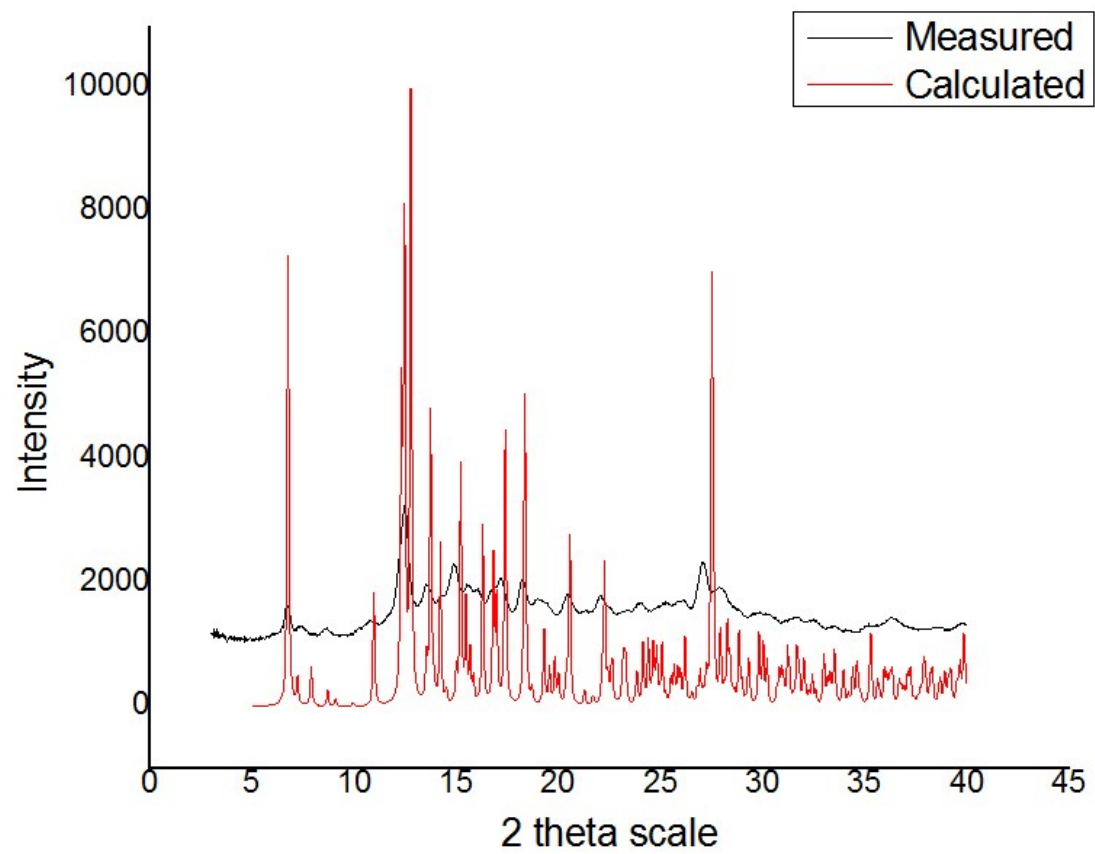
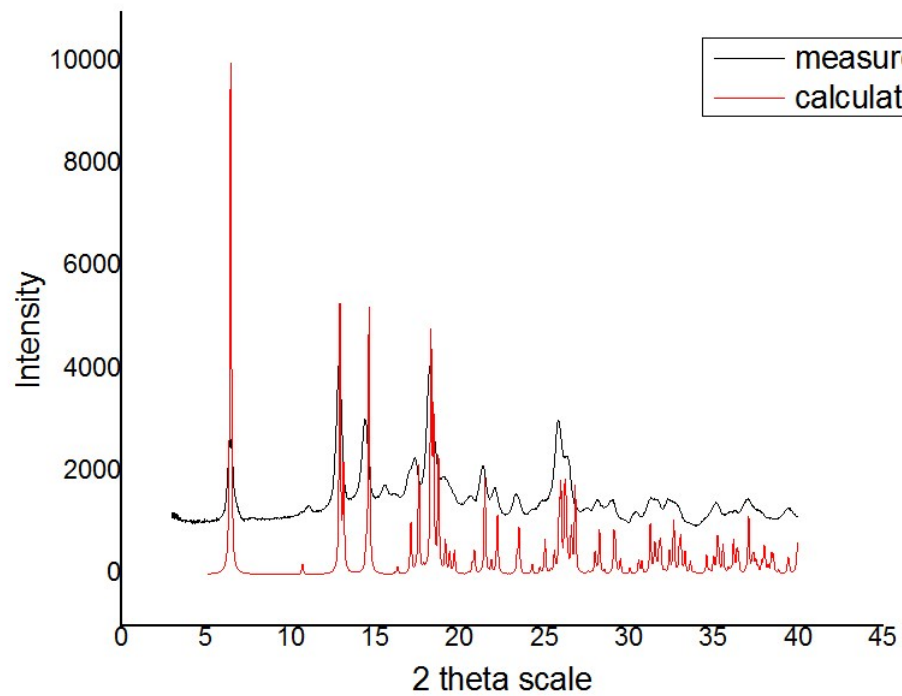


Fig. S3. Measured and simulated powder X-ray diffraction (PXRD) profile for compound 3.



**Fig. S4. Measured and simulated powder X-ray diffraction (PXRD) profile for compound 4.**



**Fig. S5.** Measured and simulated powder X-ray diffraction (PXRD) profile for compound 5.

