



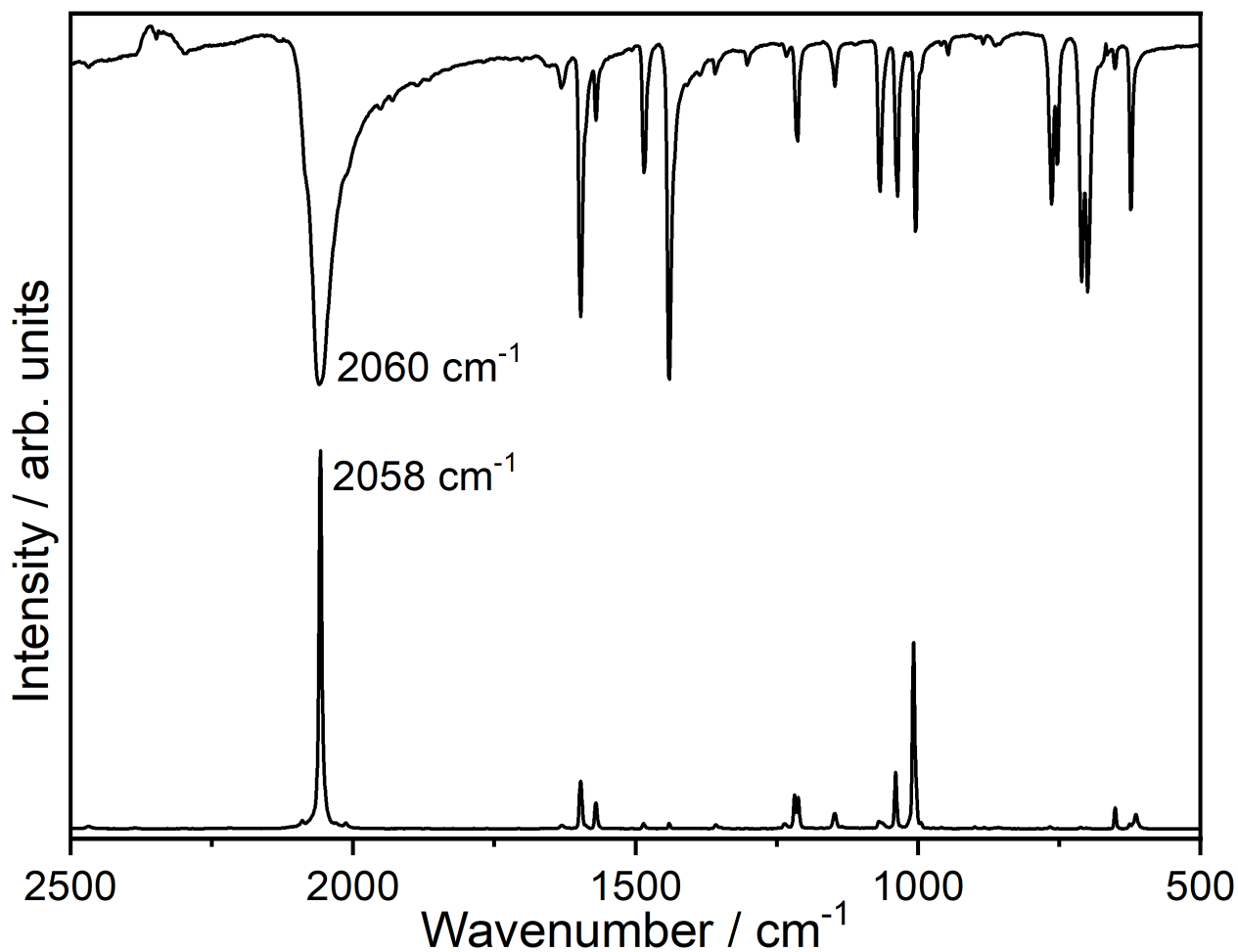
STRUCTURE  
REPORTS

**Volume 79 (2023)**

**Supporting information for article:**

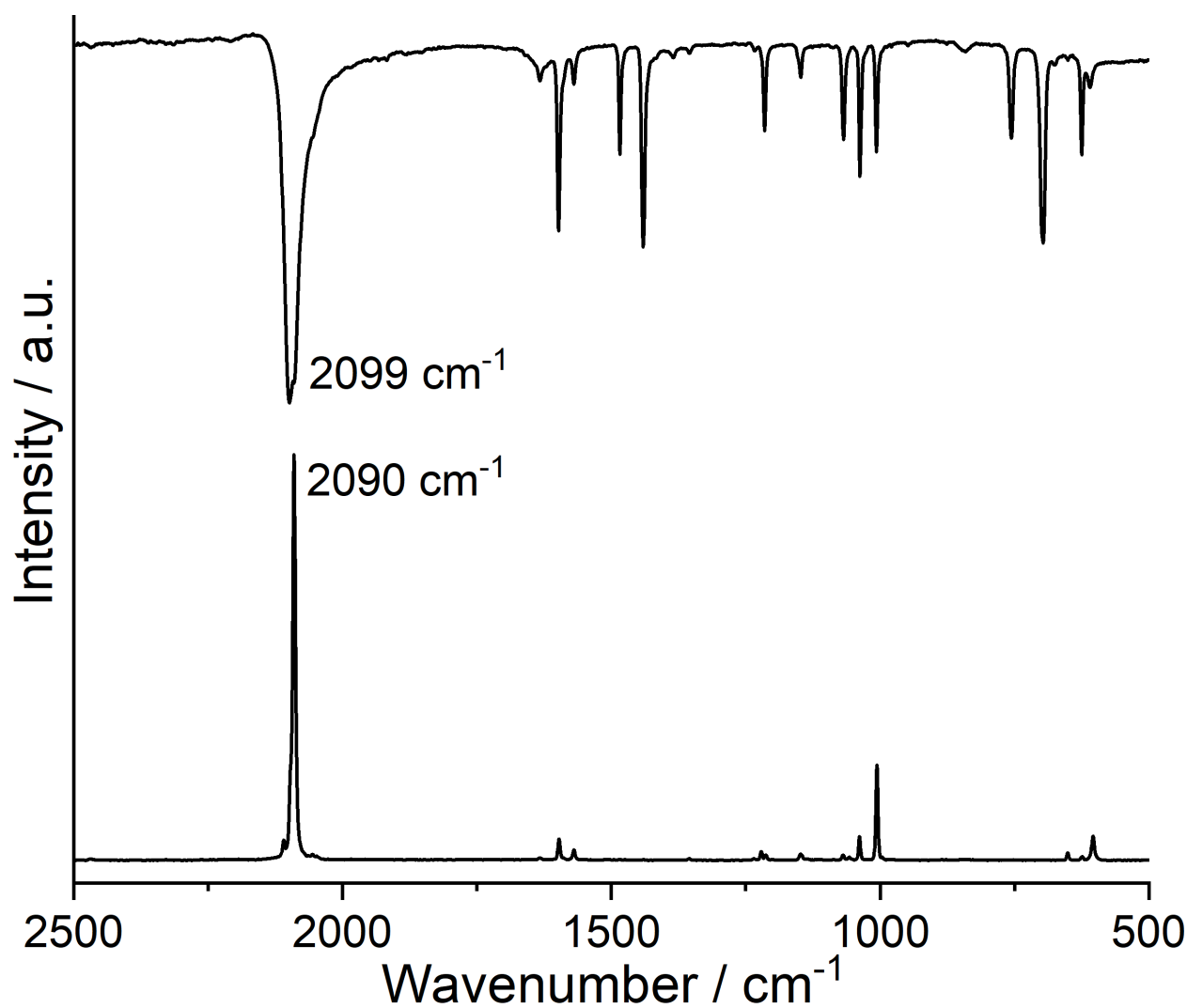
**Synthesis, crystal structure and thermal decomposition pathway of bis-(isoselenocyanato- $\kappa N$ )tetrakis(pyridine- $\kappa N$ )manganese(II)**

**Christian Näther, Sebastian Mangelsen and Jan Boeckmann**



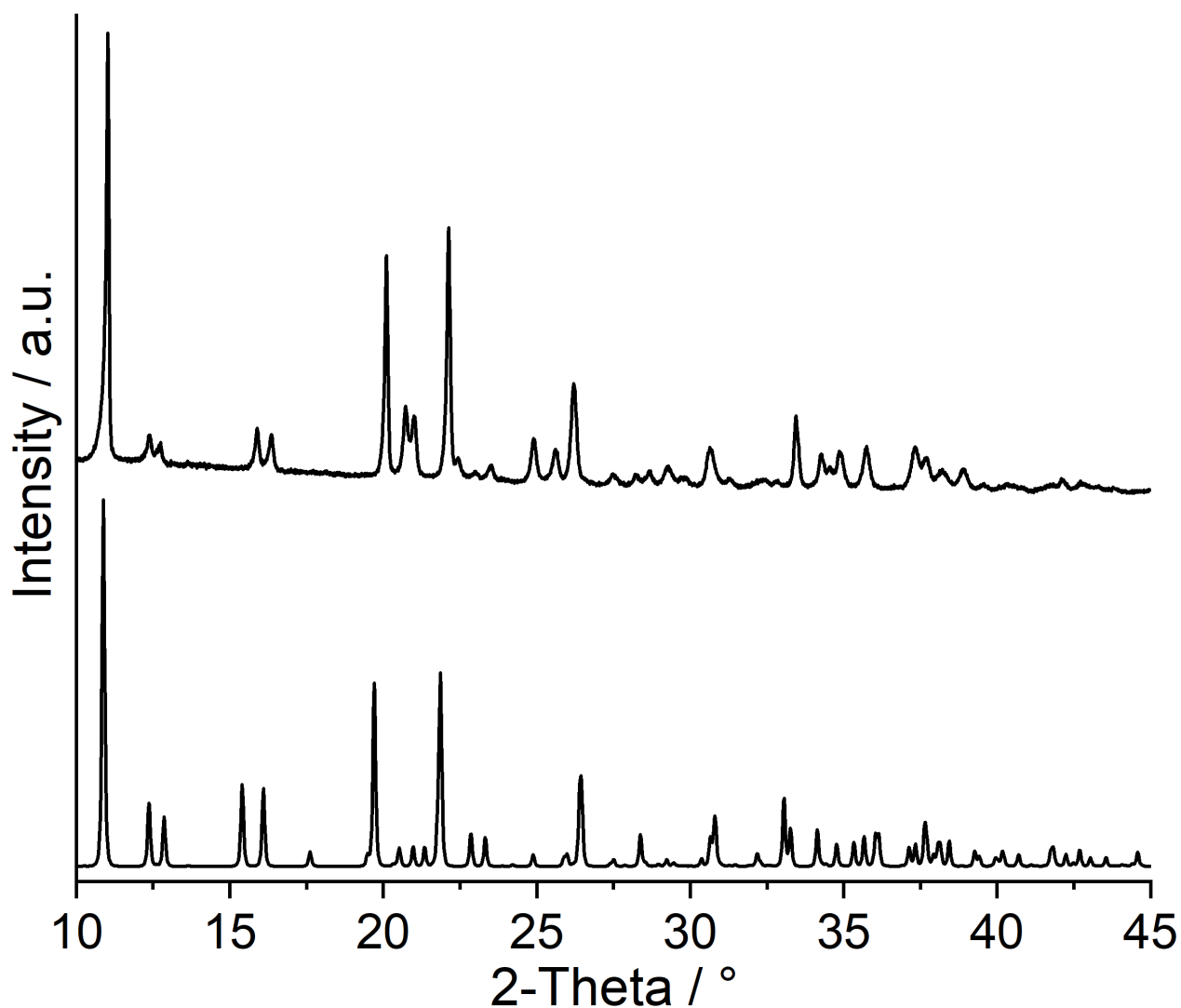
**Fig. S1.**

IR (top) and Raman spectra (bottom) of the residue obtained after the first mass loss in a TG measurement of the title compound. Given are the values for the CN stretching vibrations of the selenocyanate anion.



**Fig. S2.**

Experimental PXR pattern of the residue obtained after the first mass loss in a TG measurement of the title compound (top) and calculated PXR pattern for Cd(NCSe)<sub>2</sub>(pyridine)<sub>2</sub> retrieved from literature (Boeckmann *et al.*, 2011, bottom).



**Fig. S3.**

In the crystal structure of the title compound, discrete complexes are observed, in which the Ni cations are octahedrally coordinated by two terminal N-bonded selenocyanate anions and four pyridine coligands. Weak C-H...Se interactions occur in the extended structure.