



STRUCTURE  
REPORTS

Volume 75 (2019)

Supporting information for article:

Crystal structure, synthesis and thermal properties of bis(acetonitrile- $\kappa N$ )bis(4-benzoylpyridine- $\kappa N$ )bis(isothiocyanato- $\kappa N$ )nickel(II)

Carsten Wellm and Christian Näther

Figure S1. Calculated (A) and experimental (B) powder pattern of the title compound, as well as the calculated powder patterns for  $[\text{Ni}(\text{NCS})_2(4\text{-benzoylpyridine})_2]_n$  (C) and  $[\text{Cd}(\text{NCS})_2(4\text{-benzoylpyridine})_2]_n$  (D) together with the experimental powder pattern of the residue obtained after the first mass loss in a TG measurement of the title compound (E).

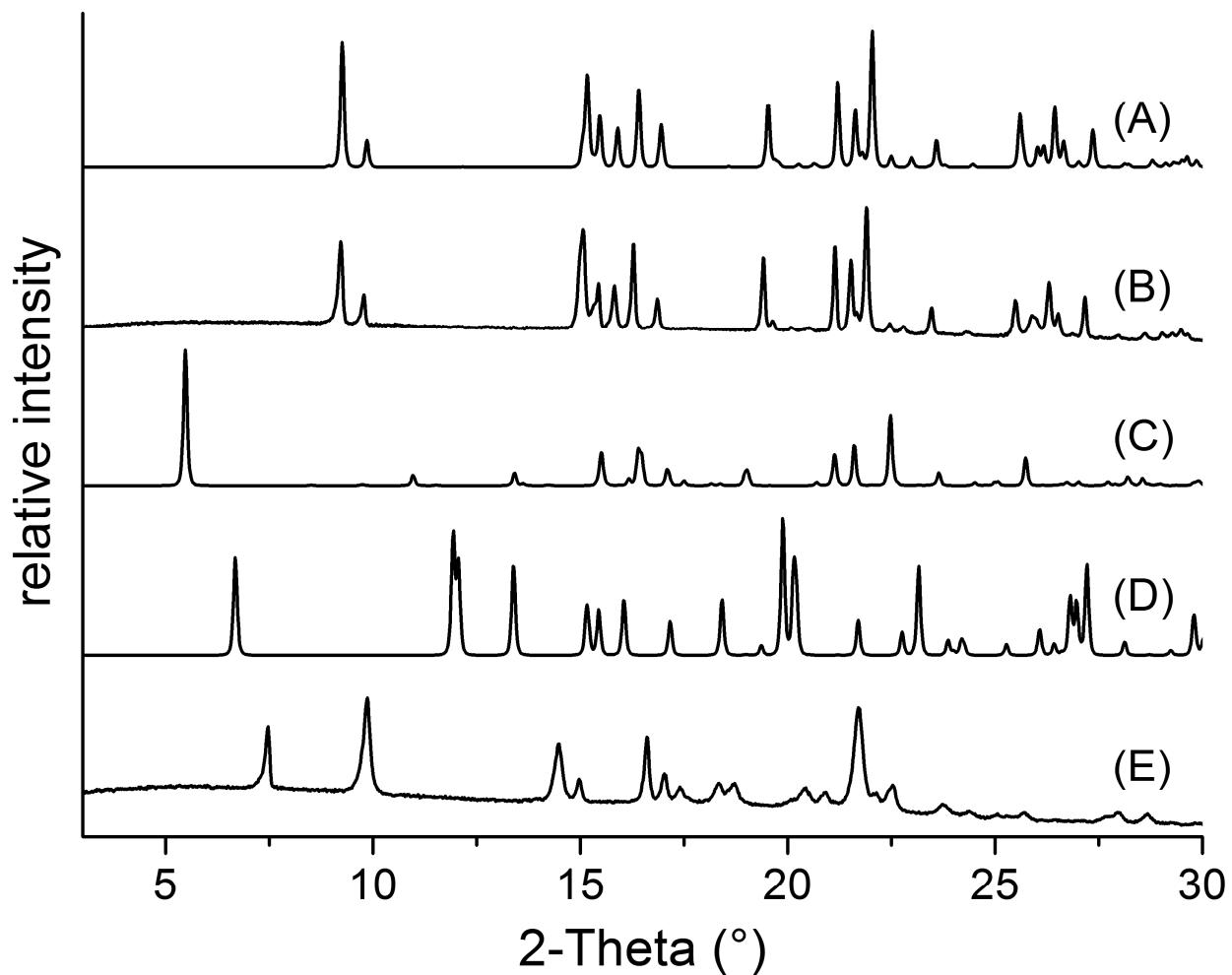


Figure S2. IR spectrum of the title compound.

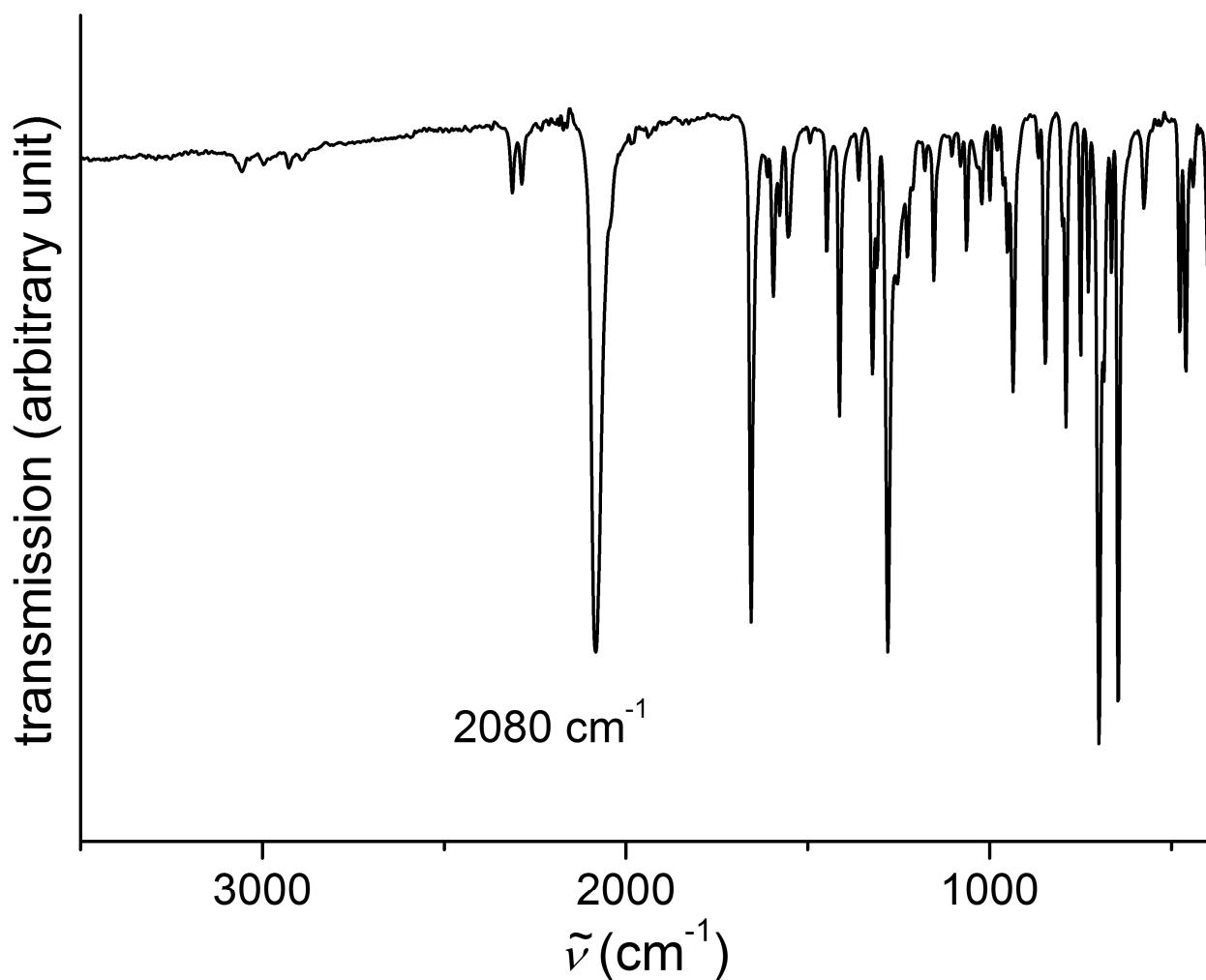


Figure S3. IR spectrum of the residue obtained by thermogravimetry.

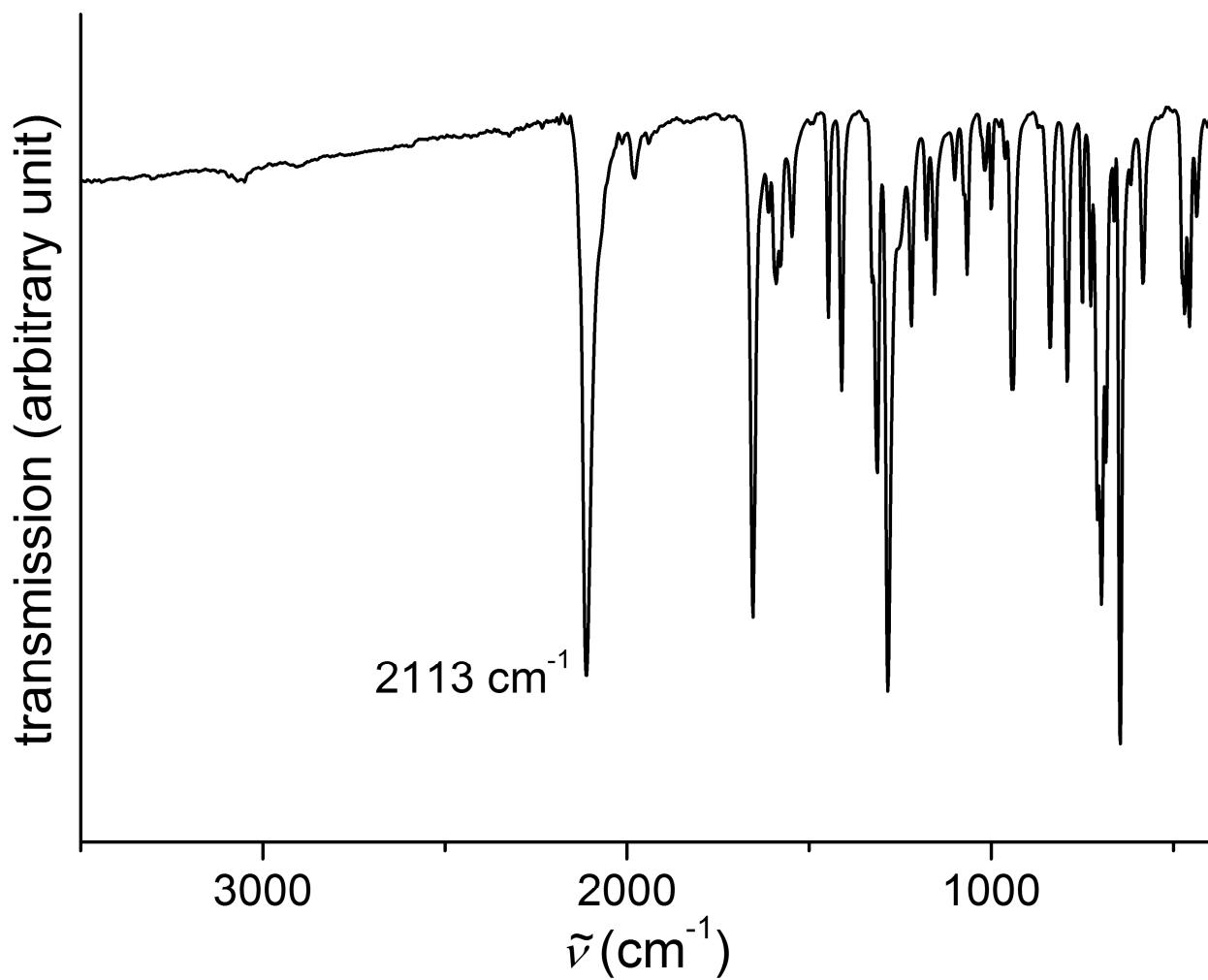


Figure S4. IR spectrum of  $[\text{Ni}(\text{NCS})_2 \text{ (4-benzoylpyridine)}_2]_n$  reported in the literature.

