

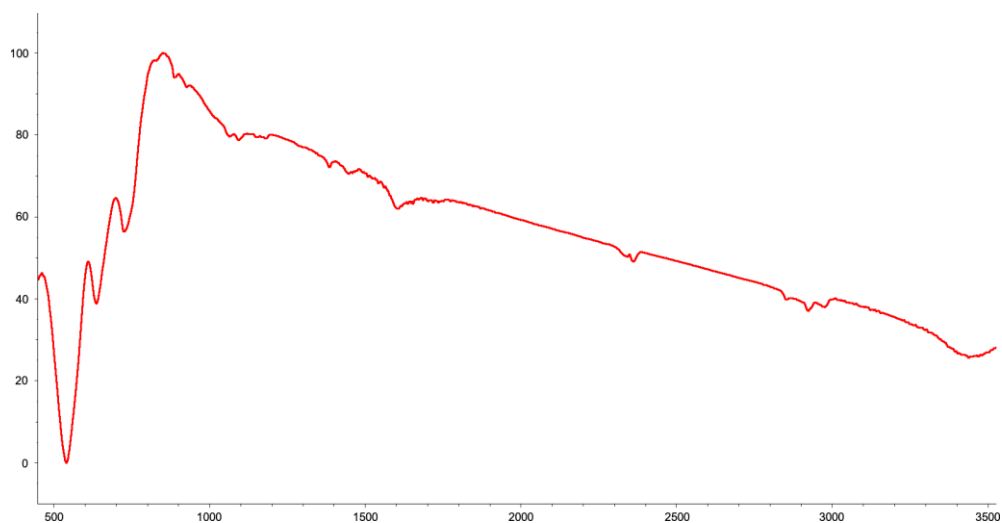
## Electronic supplementary information

### SYNTHESIS AND STRUCTURE OF $[\text{Sb}(\mu_2\text{-O})\text{Cl}(\text{DMSO-O})]_n$

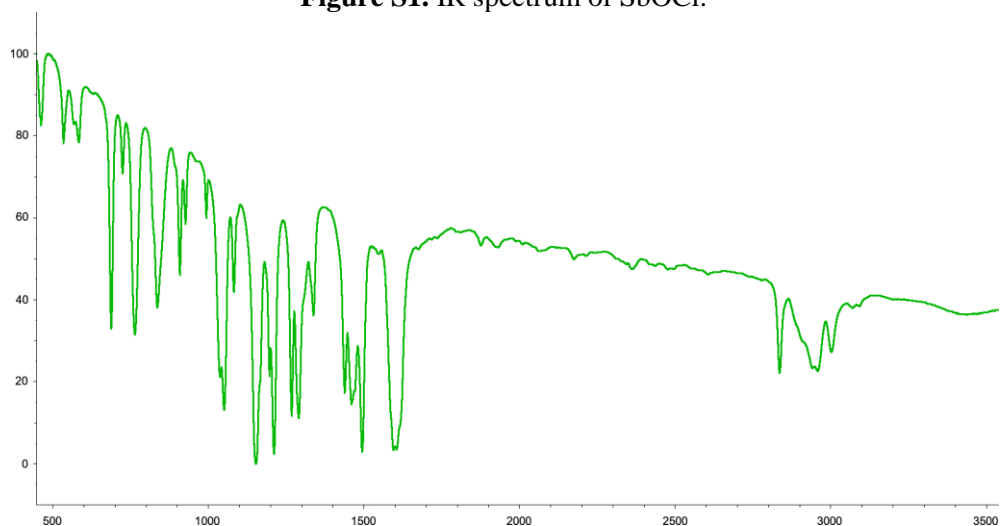
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**Figure S1.** IR spectrum of SbOCl.



**Figure S2.** IR spectrum of *m*-dimethoxybenzene.



**Figure S3.** IR spectrum of  $[\text{Sb}(\mu_2\text{-O})\text{Cl}(\text{DMSO-O})]_n$ .