

Figure S1. The infrared spectra of sulfapyridine (top) and its Bi(III) complex (bottom), [Bi(sp)₃Cl₃].

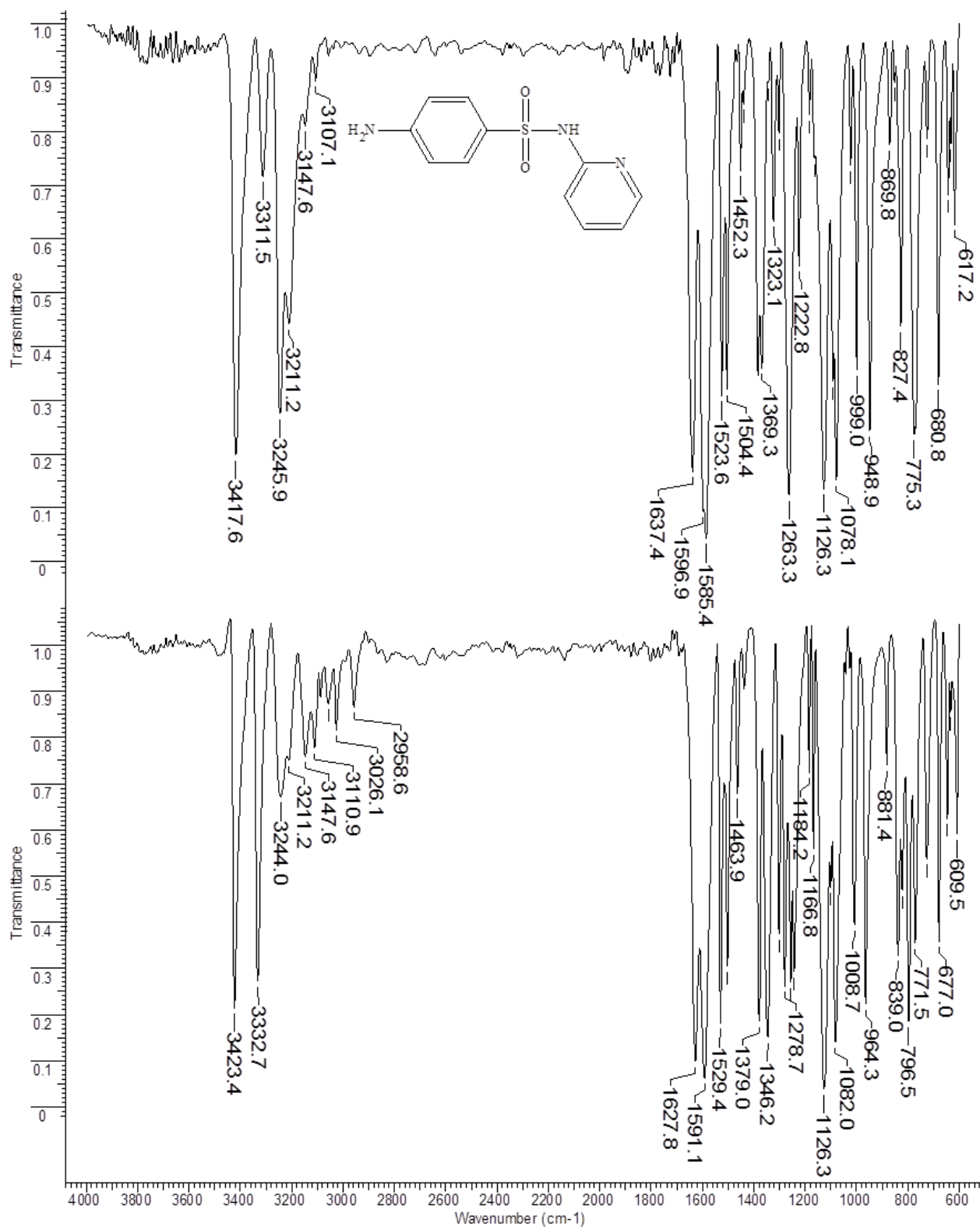


Figure S2. Expanded view of the ESI(+)-MS of the molecular ion of the complex, $[\text{BiCl}_3(\text{C}_{11}\text{H}_{11}\text{N}_3\text{O}_2\text{S})_3]^+\bullet$ ($\text{M}^+\bullet$). The complex was dissolved in MeOH containing 0.1% formic acid.

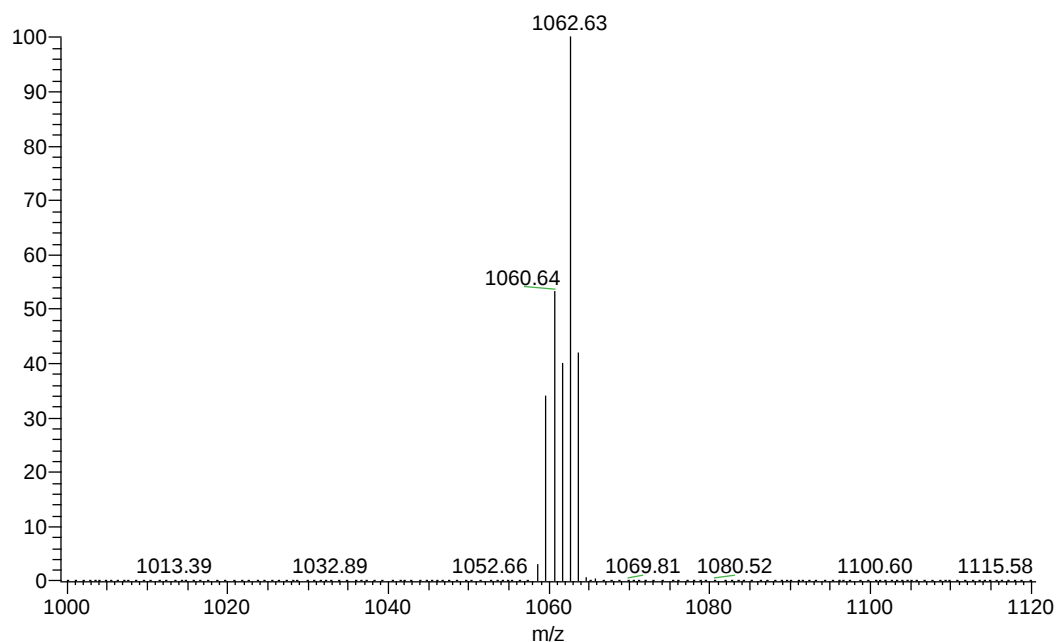


Figure S3. ^1H -NMR spectra of sulfapyridine (top) and its Bi(III) complex $[\text{Bi}(\text{sp})_3\text{Cl}_3]$ (bottom). The solvent is $\text{DMF-}d_7$ (N,N -dimethylformamide- d_7).

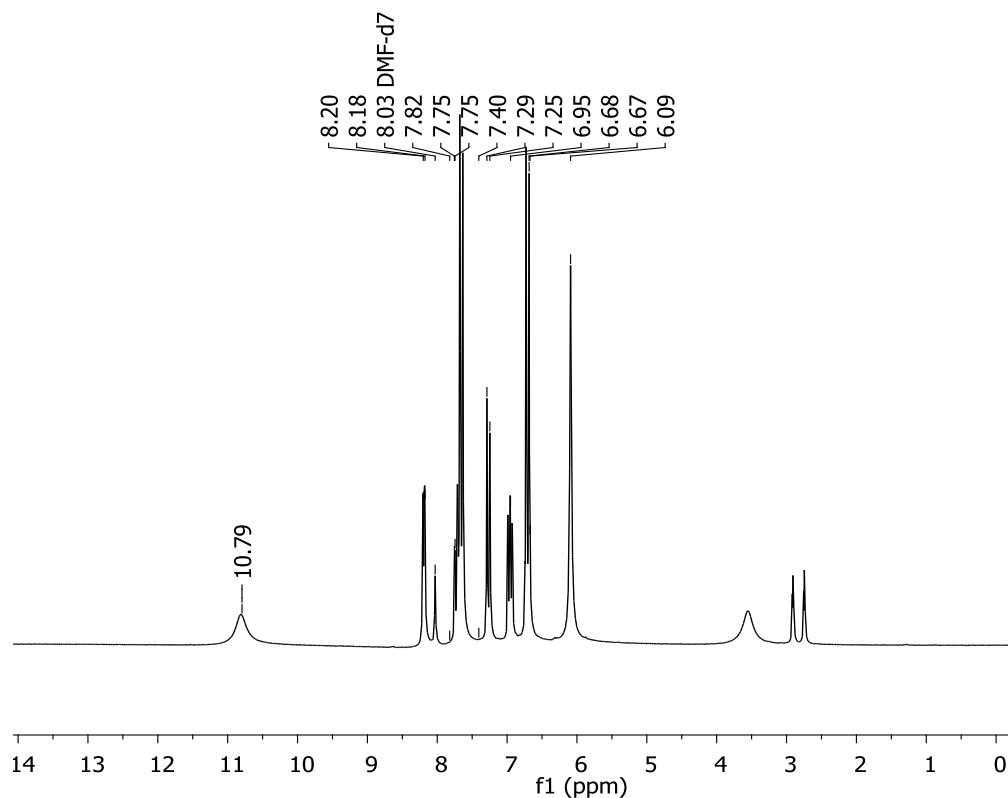


Figure S3. Cont.

