

Supplementary Information
(Figs. S1-S6)

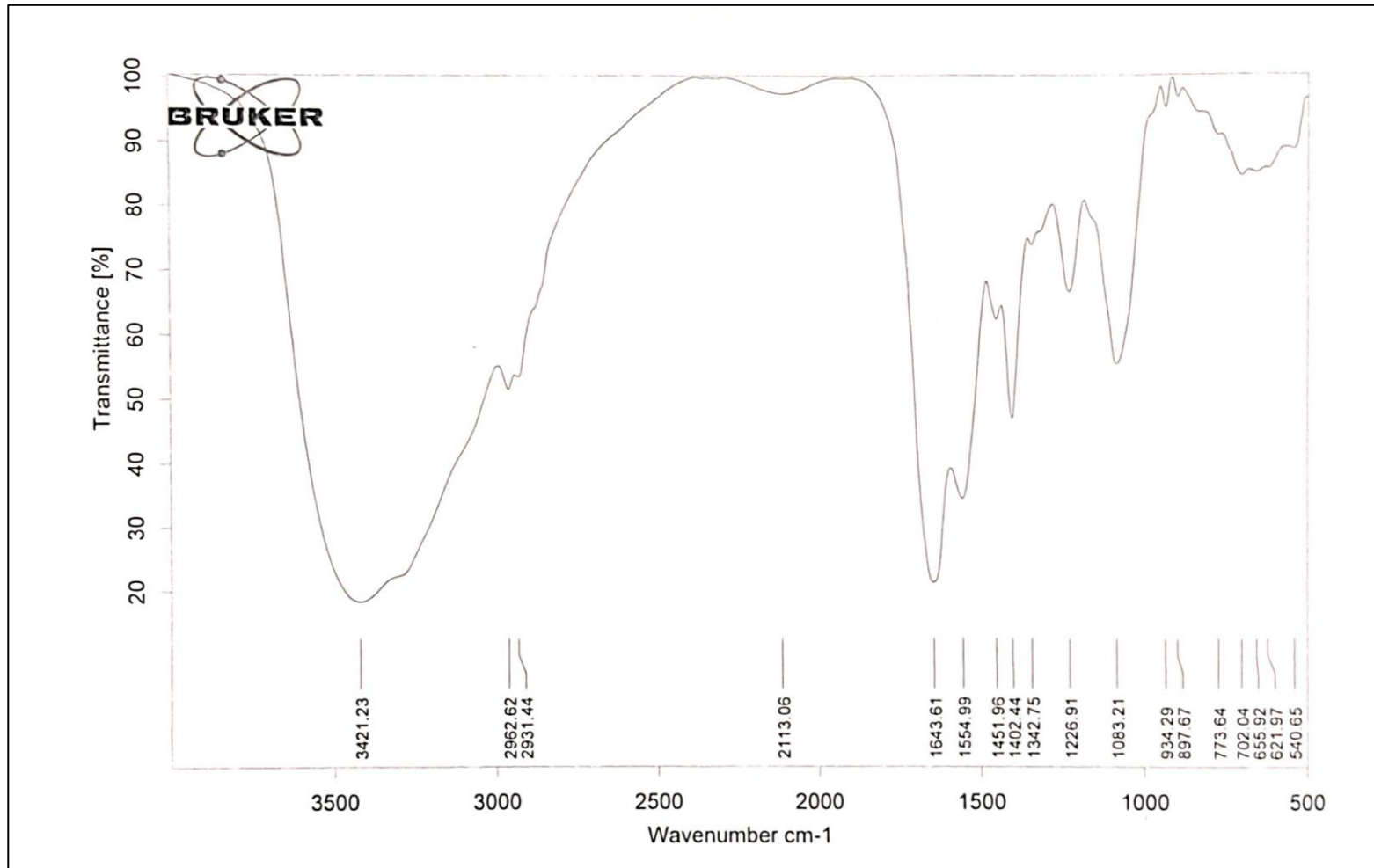


Fig. S1 IR spectra of TNB-16 with no treatment

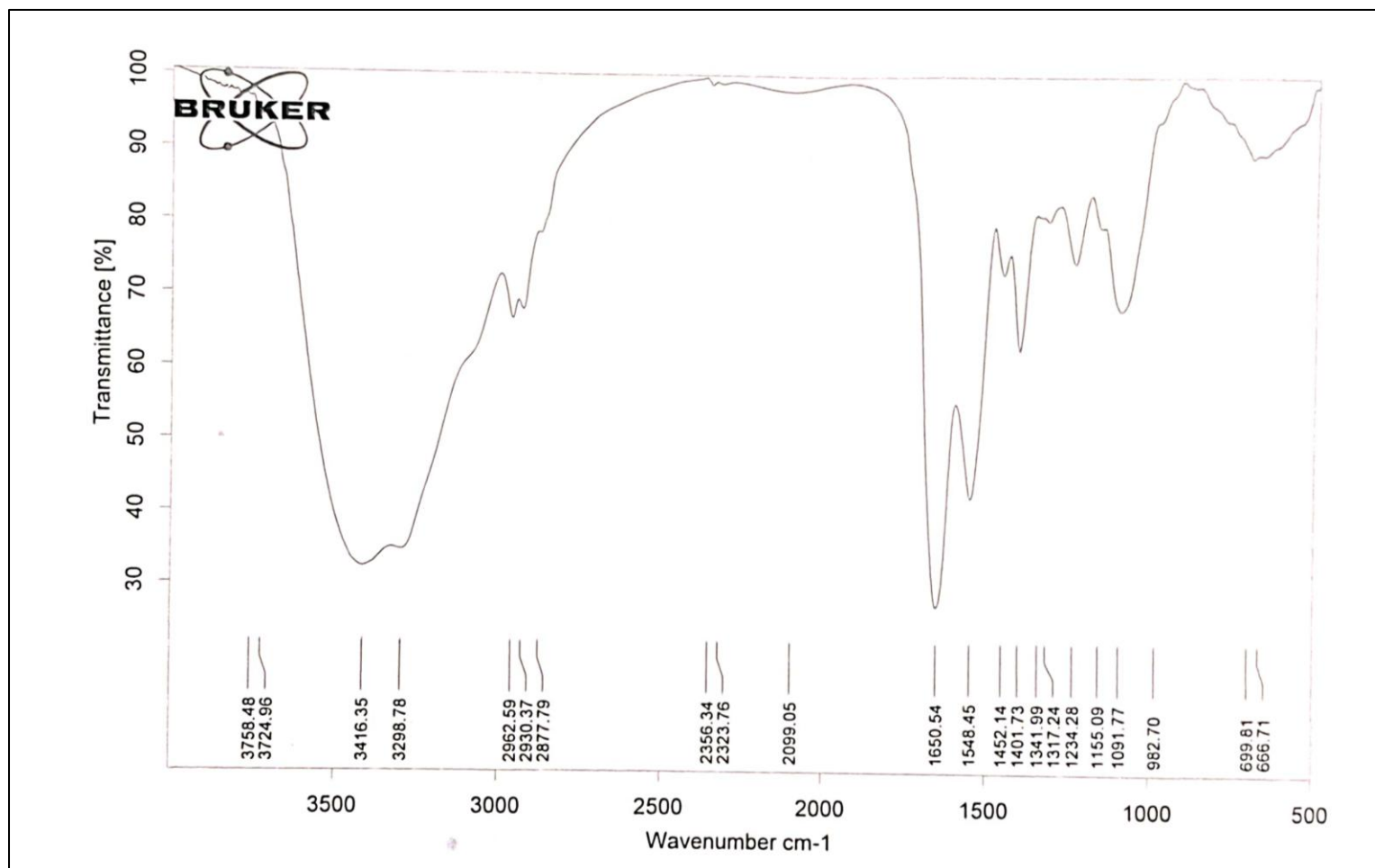


Fig. S2 IR spectra of TNB-16 with As³⁺ treatment

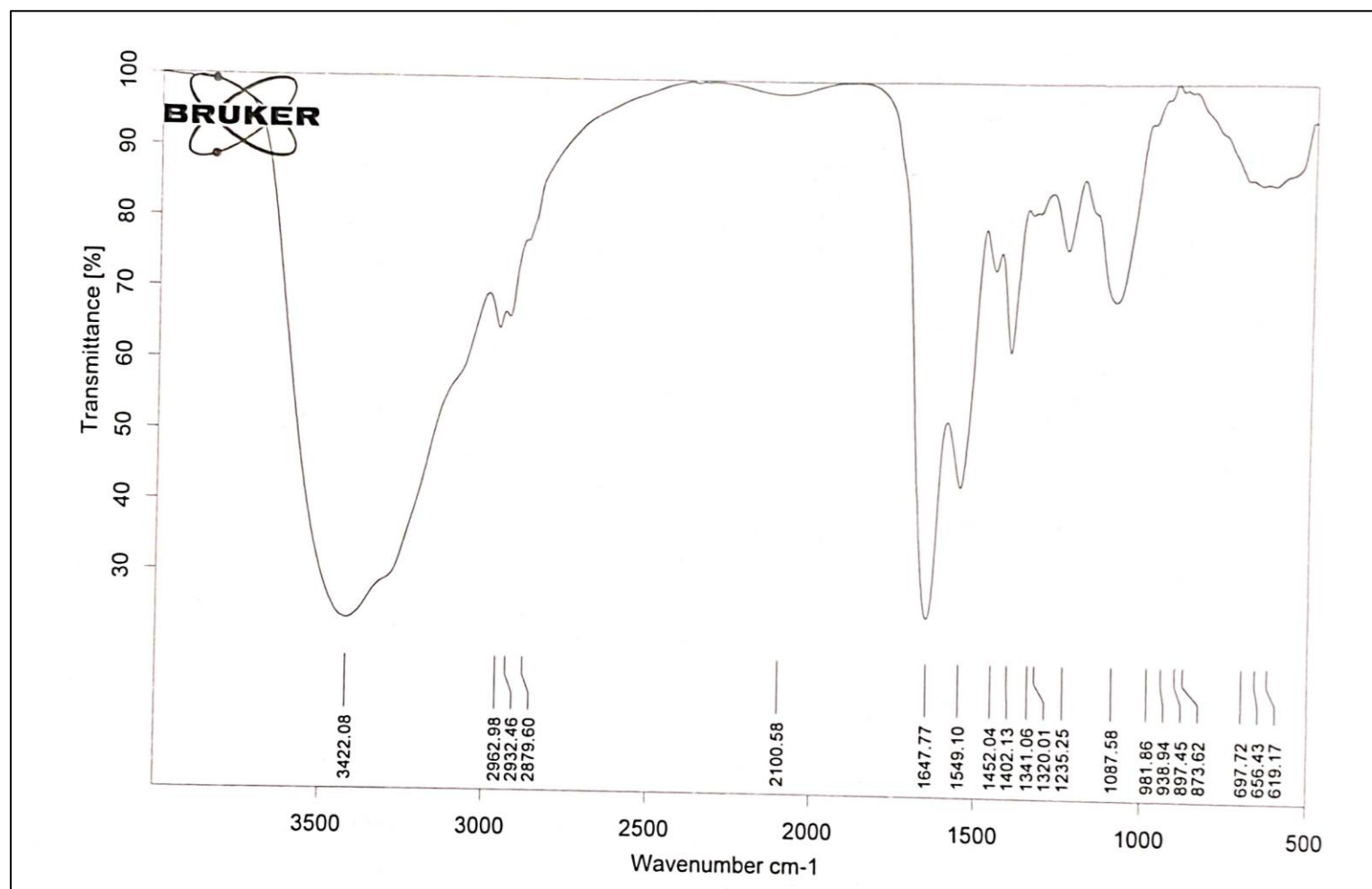


Fig. S3 IR spectra of TNB-16 with As⁵⁺ treatment

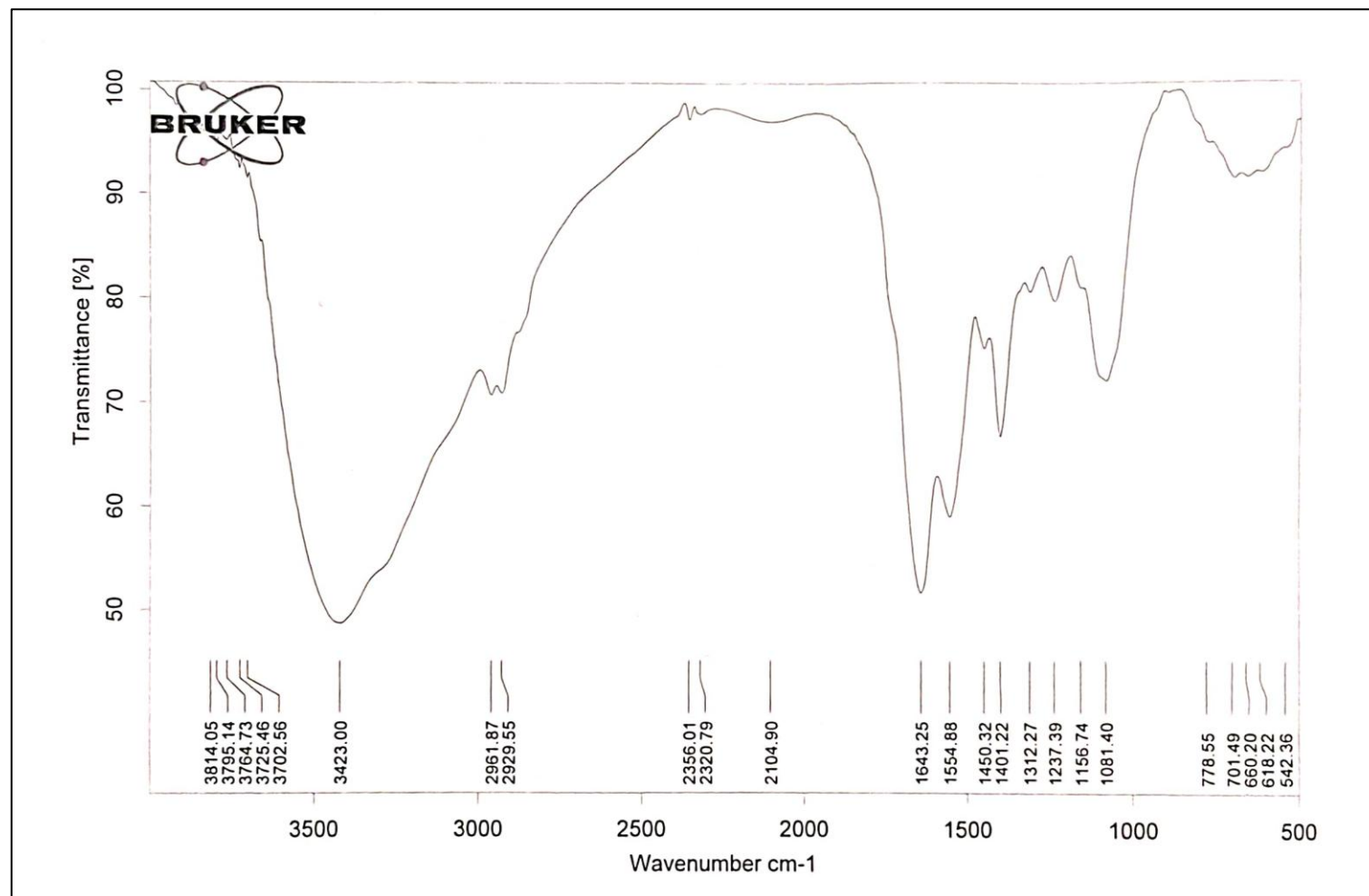


Fig. S4 IR spectra of TNCB-27 with no treatment

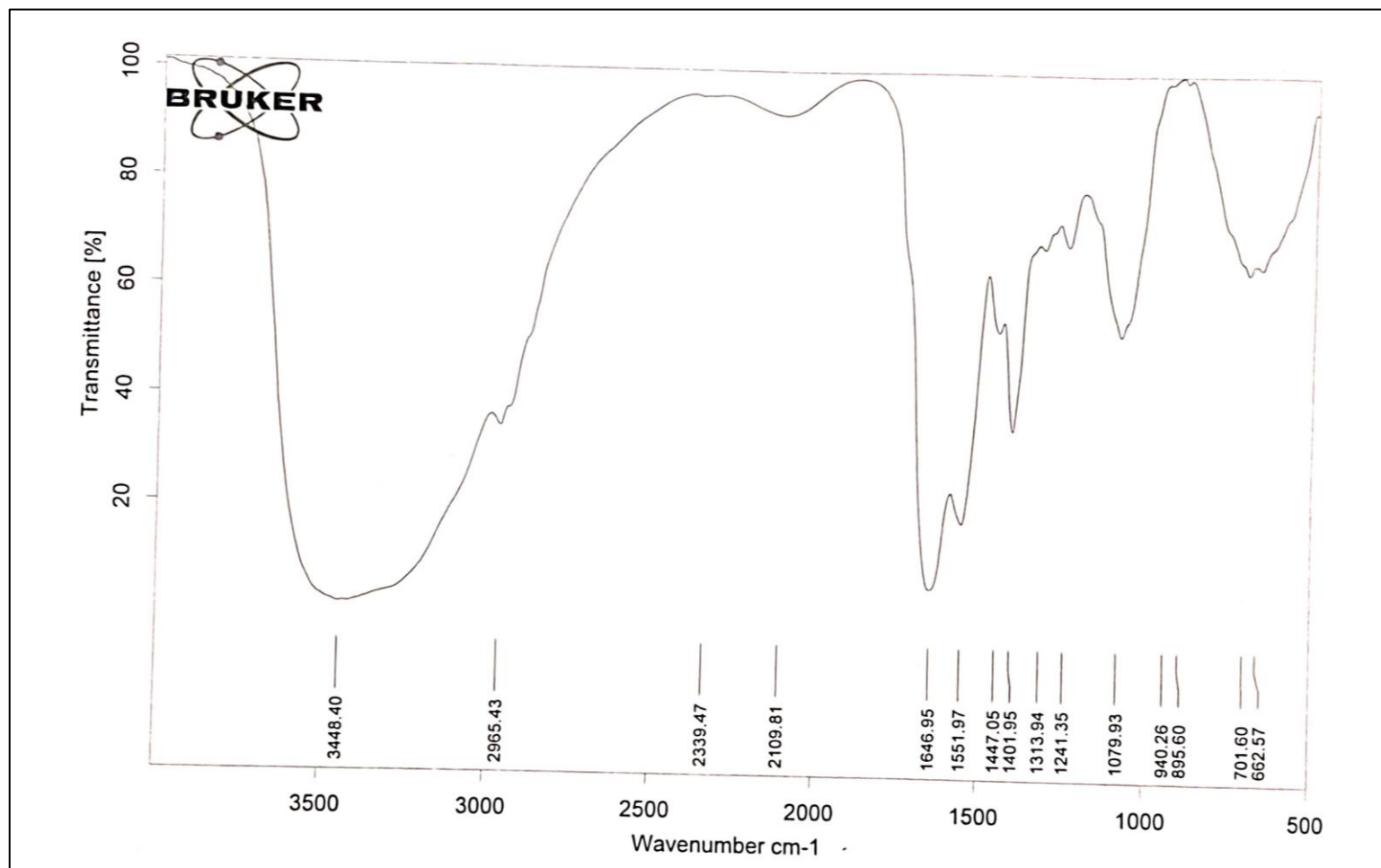


Fig. S5 IR spectra of TNCB-27 with As³⁺ treatment

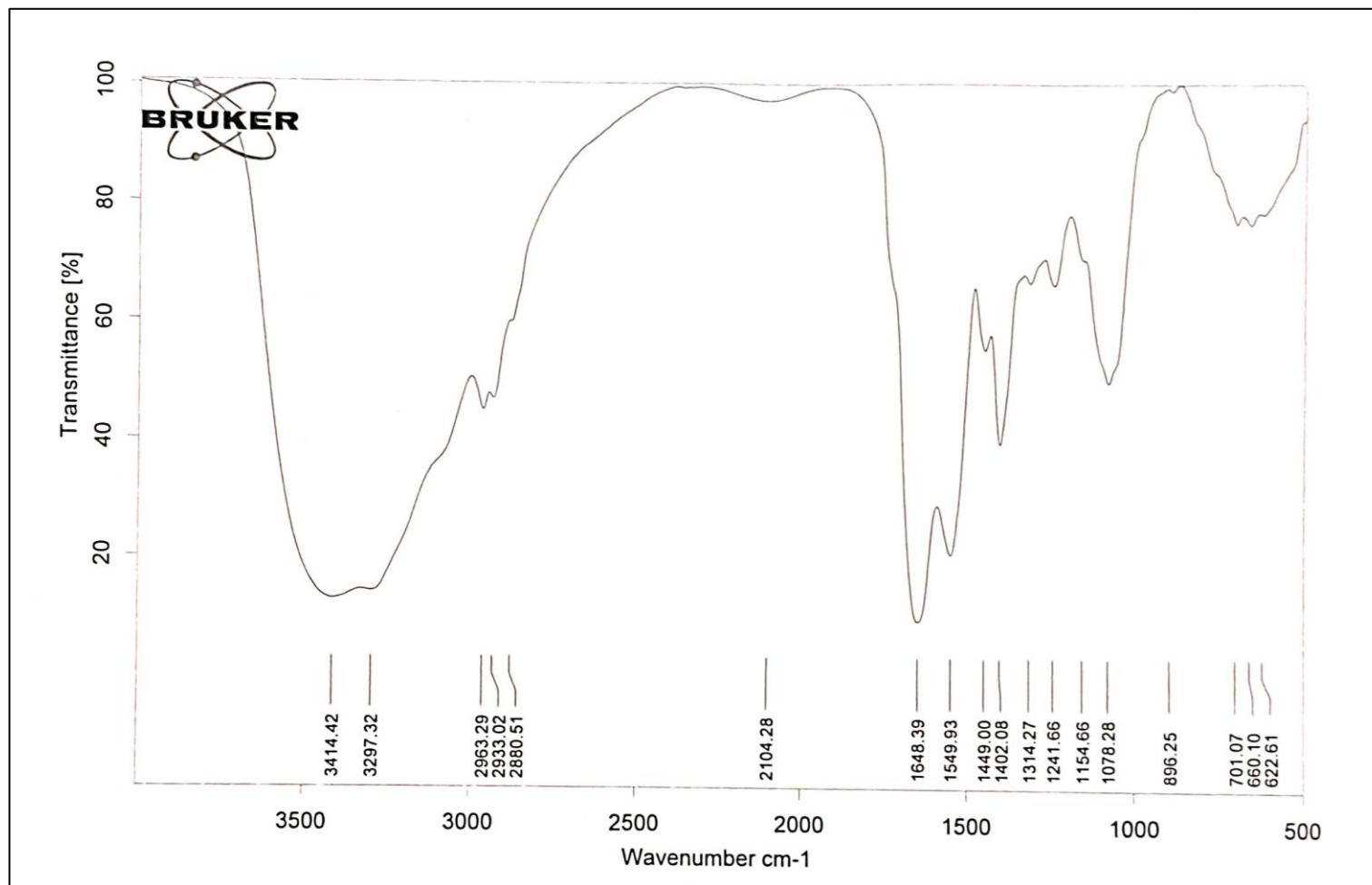


Fig. S6 IR spectra of TNCB-27 with As⁵⁺ treatment