

Supplementary Information

Synthesis, spectral characterization and antibacterial activities of heterocyclic complexes with Schiff base derived from 3-hydroxybenzofuran-2-carbaldehyde and (furan-2-yl)methanamine

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Sample code: ligand
VARIAN 400MHz
Solvent : dmsd
Date: Mar 15 2024

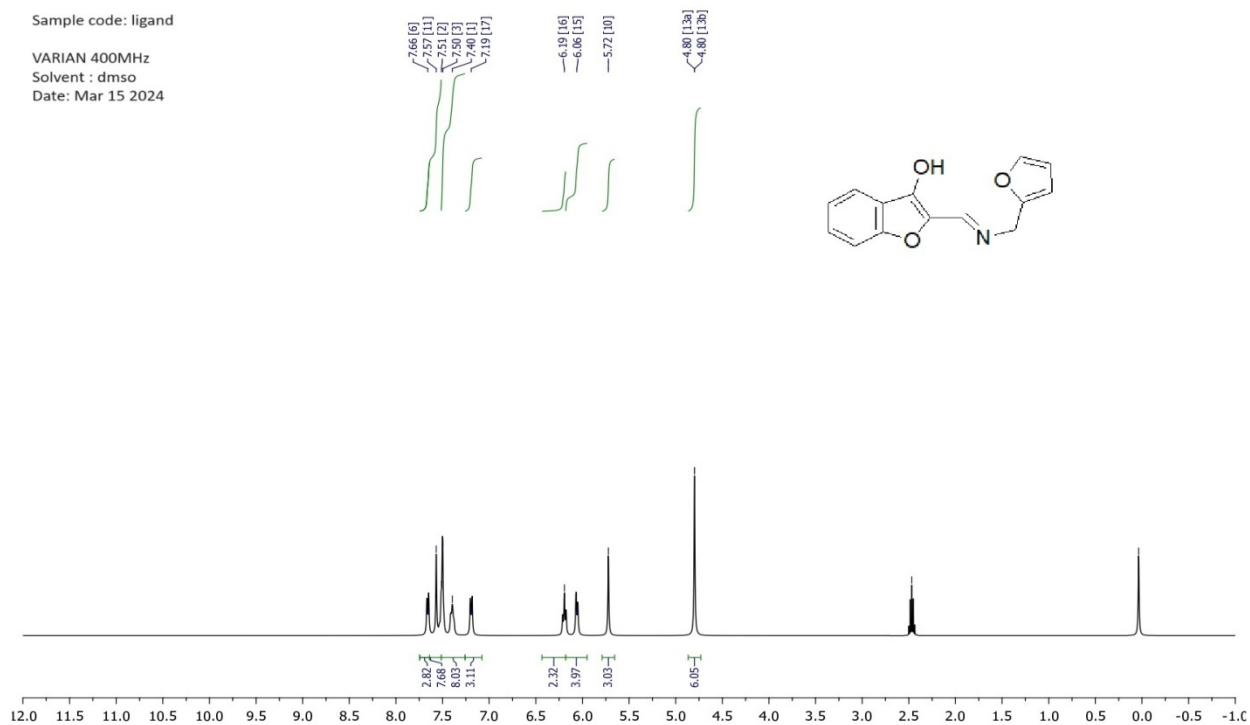


Figure 1 ^1H NMR spectra of Ligand

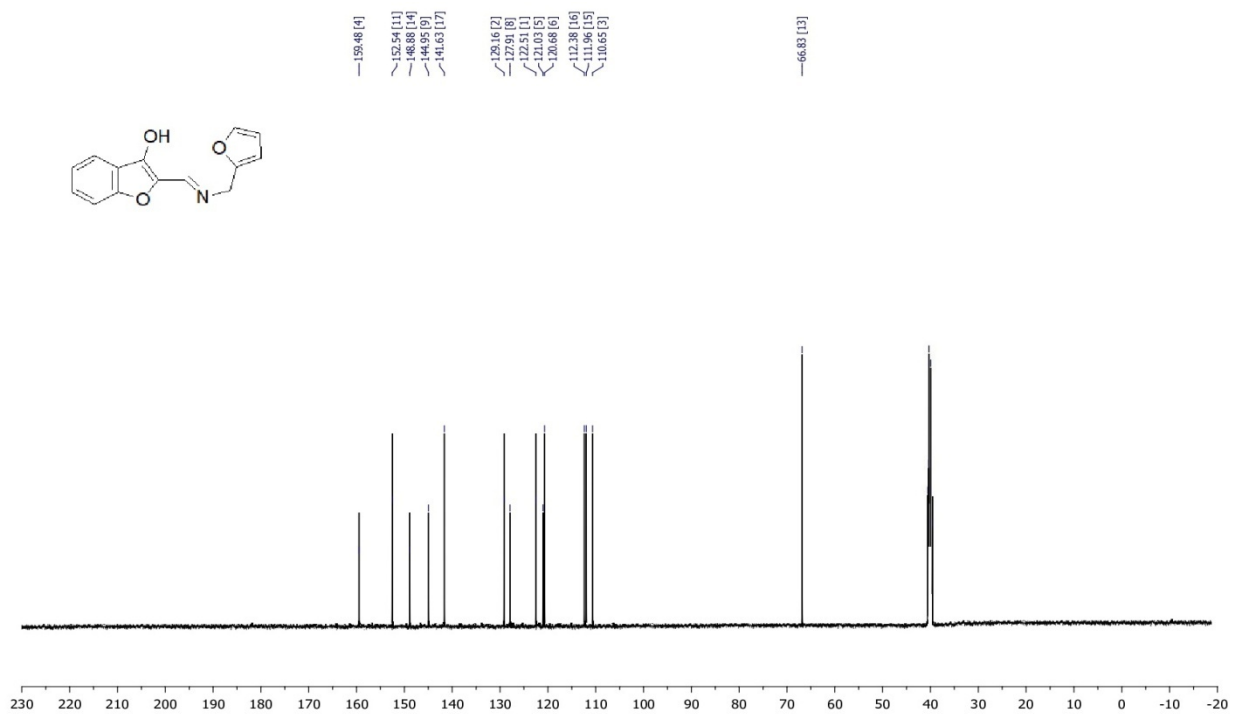


Figure 2 ^{13}C NMR spectra of Ligand

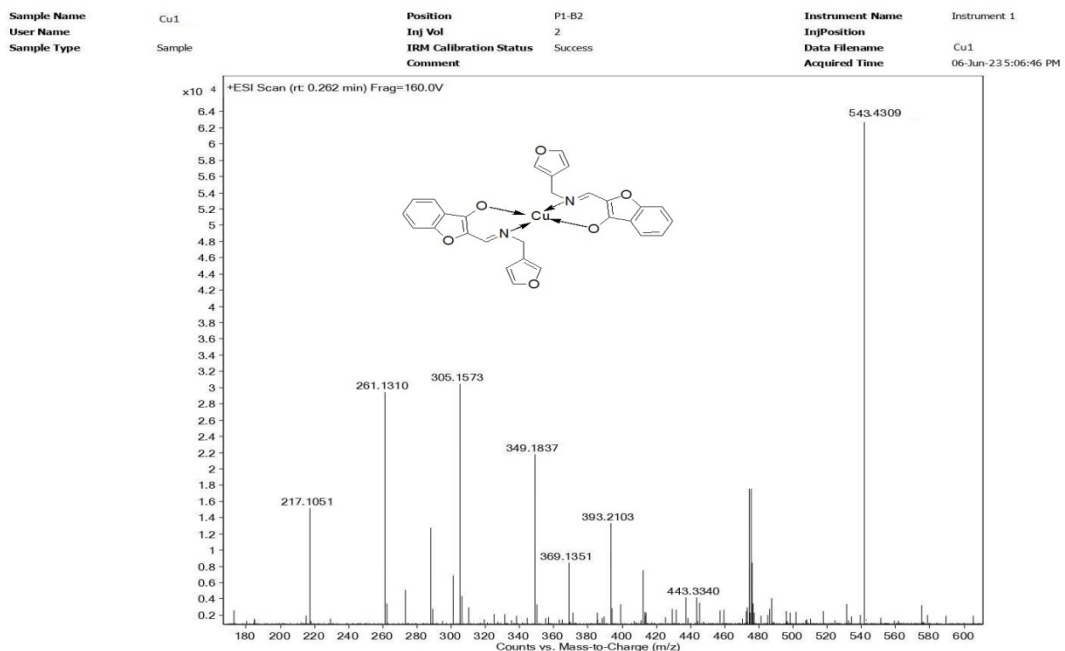


Figure 3 Mass spectra of Cu(II) Complex

Sample code: Cu

VARIAN 400MHz
Solvent : dmsd
Date: Mar 20 2024

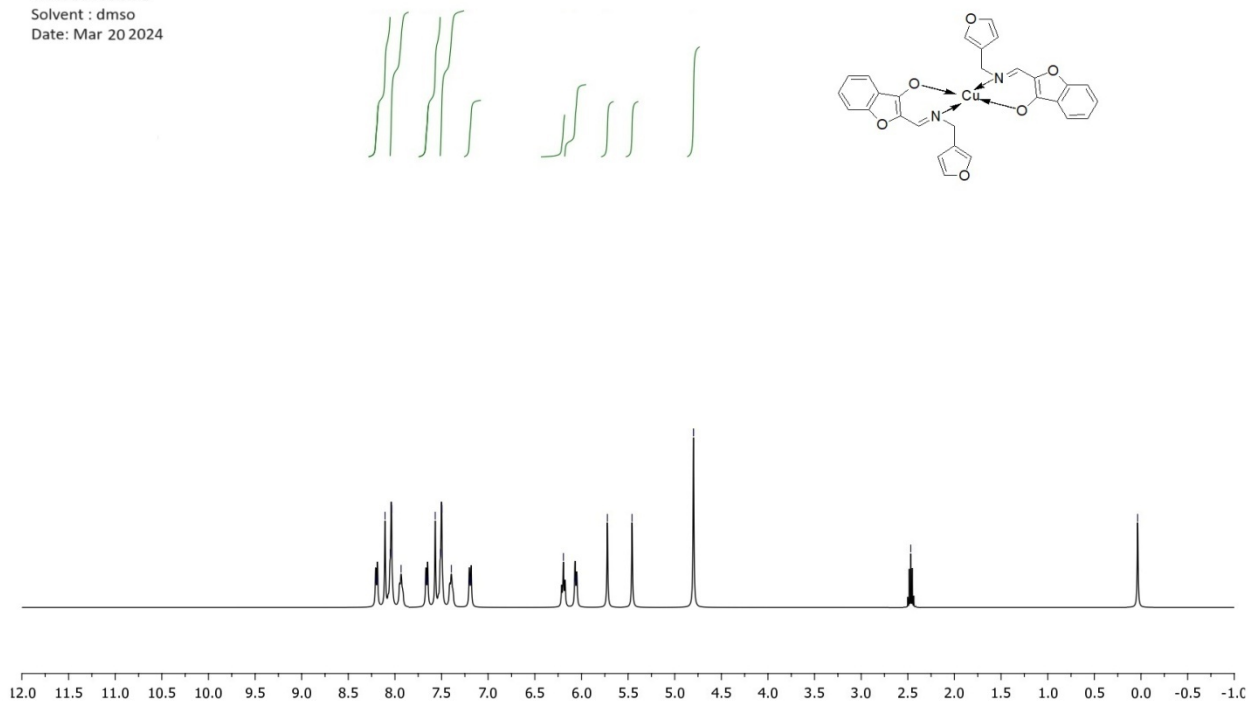


Figure 4 ^1H NMR spectra of Cu(II) Complex

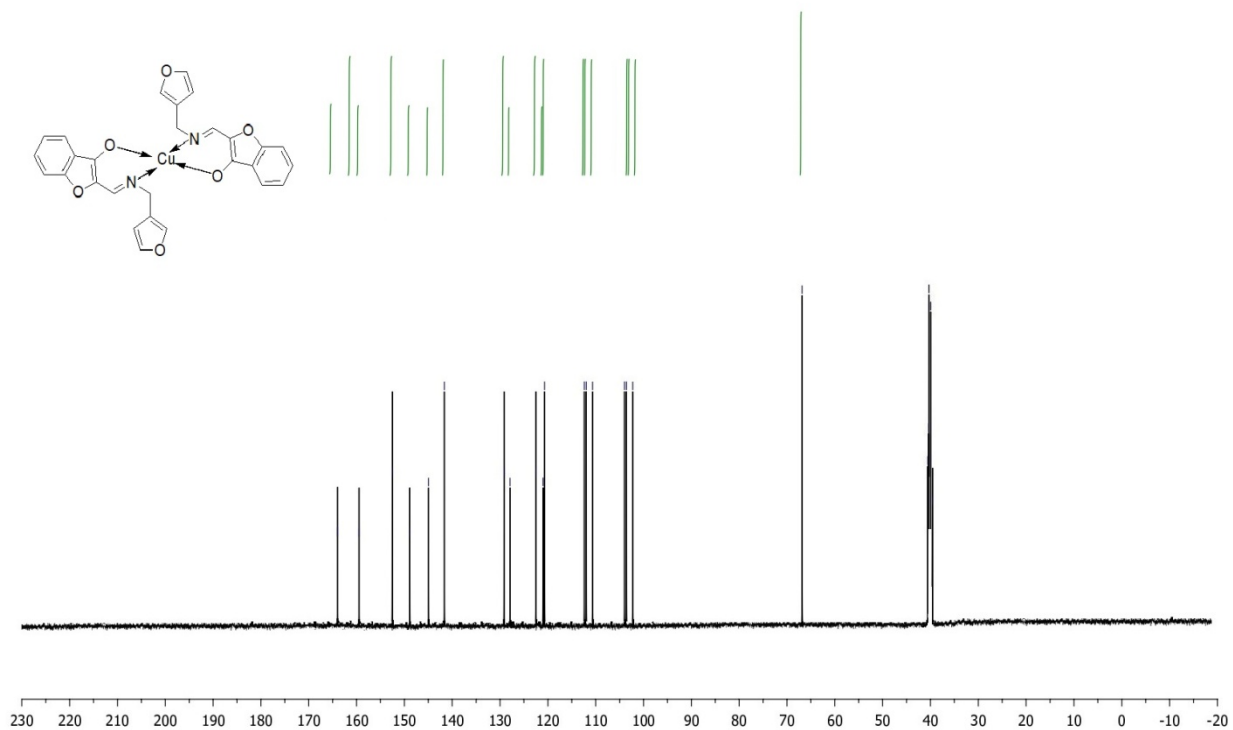


Figure 5 ^{13}C NMR spectra of Cu(II) Complex

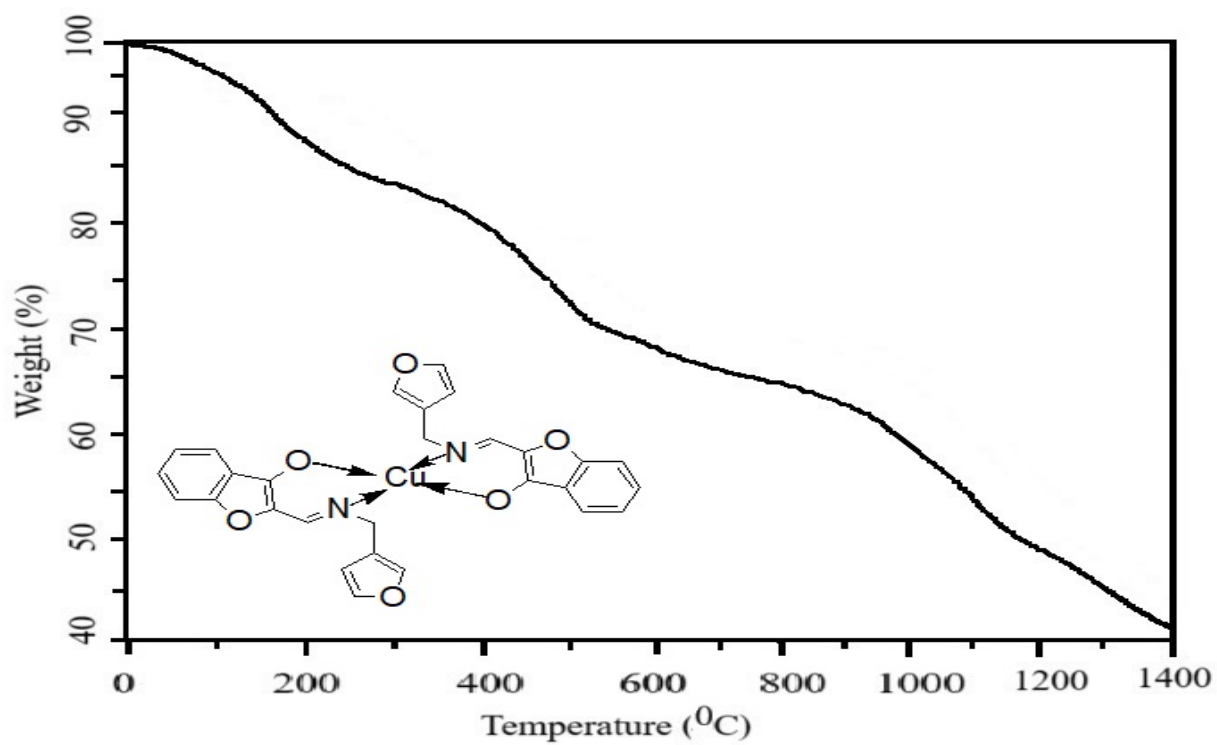


Figure 6 TGA spectra of Cu(II) Complex

Sample Name	Ni1	Position	P1-B4	Instrument Name	Instrument 1
User Name		Inj Vol	2	Inj Position	
Sample Type	Sample	IRM Calibration Status	Success	Data Filename	Ni1
		Comment		Acquired Time	06-Jun-23 5:14:44 PM

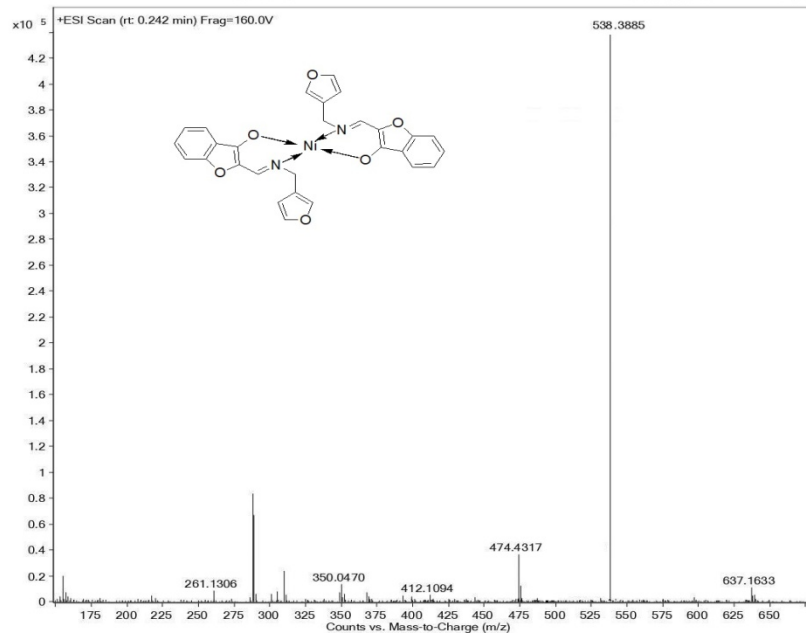
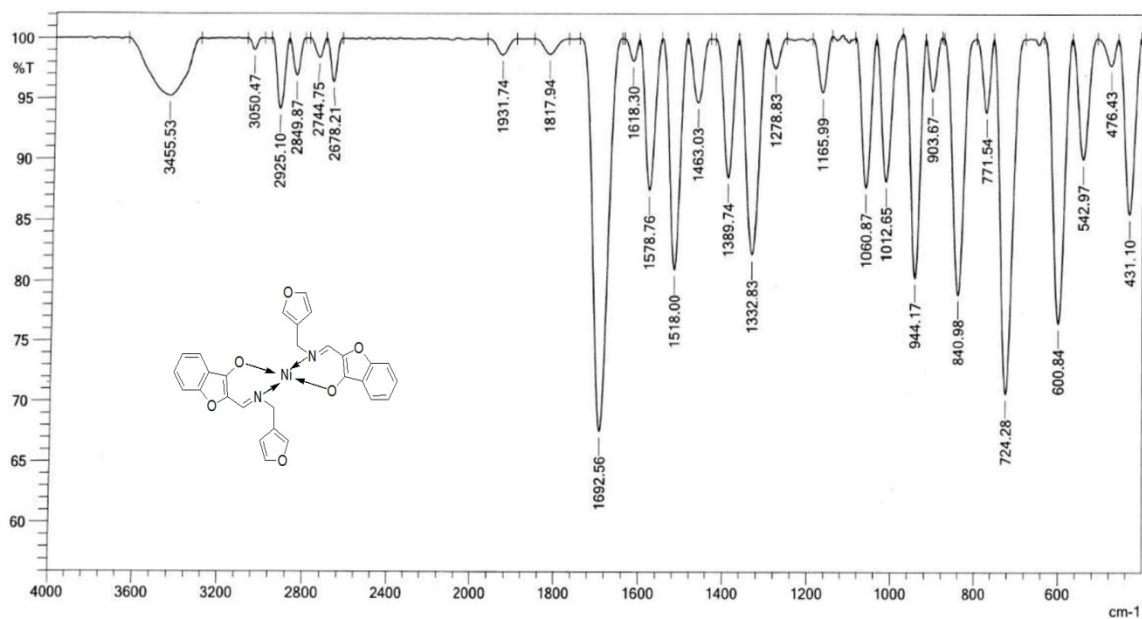


Figure 7 Mass spectra of Ni(II) Complex



Sample Name : C6113-041-01

Date : 16-Sep-2023 02:24:29 PM

Sample ID : 512209D4997

Instrument ID : ANL-MCL1-FT-IR-002

Figure 8 IR spectra of Ni(II) Complex

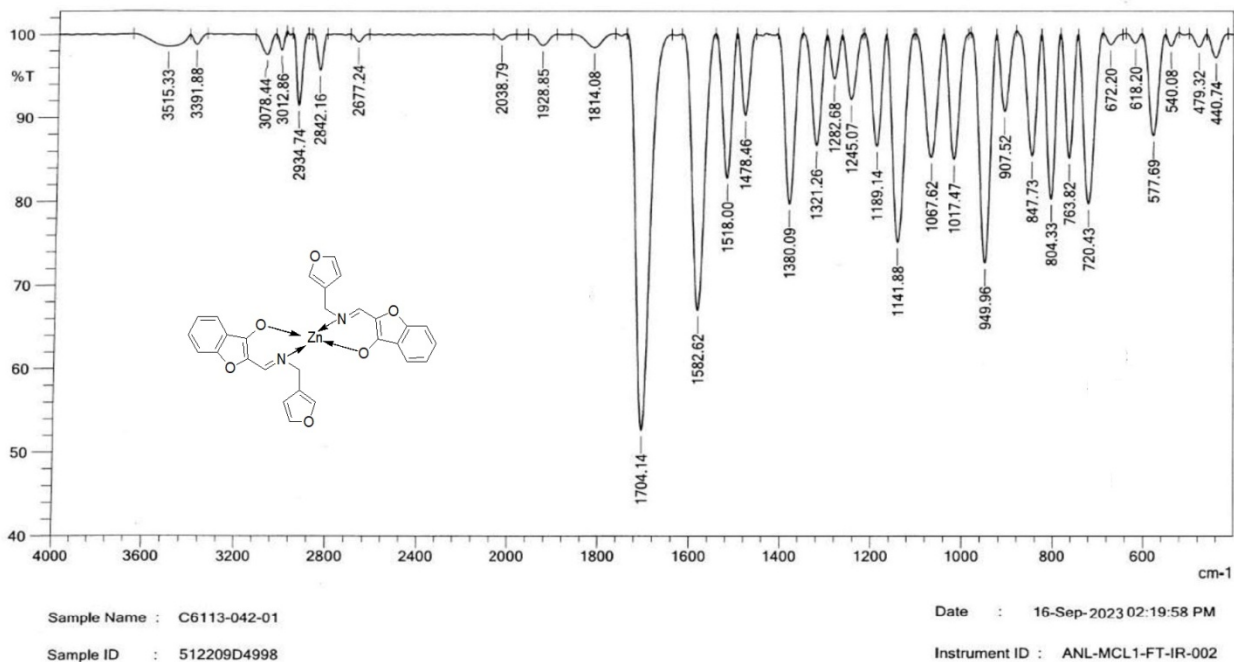


Figure 9 IR spectra of Zn(II) Complex

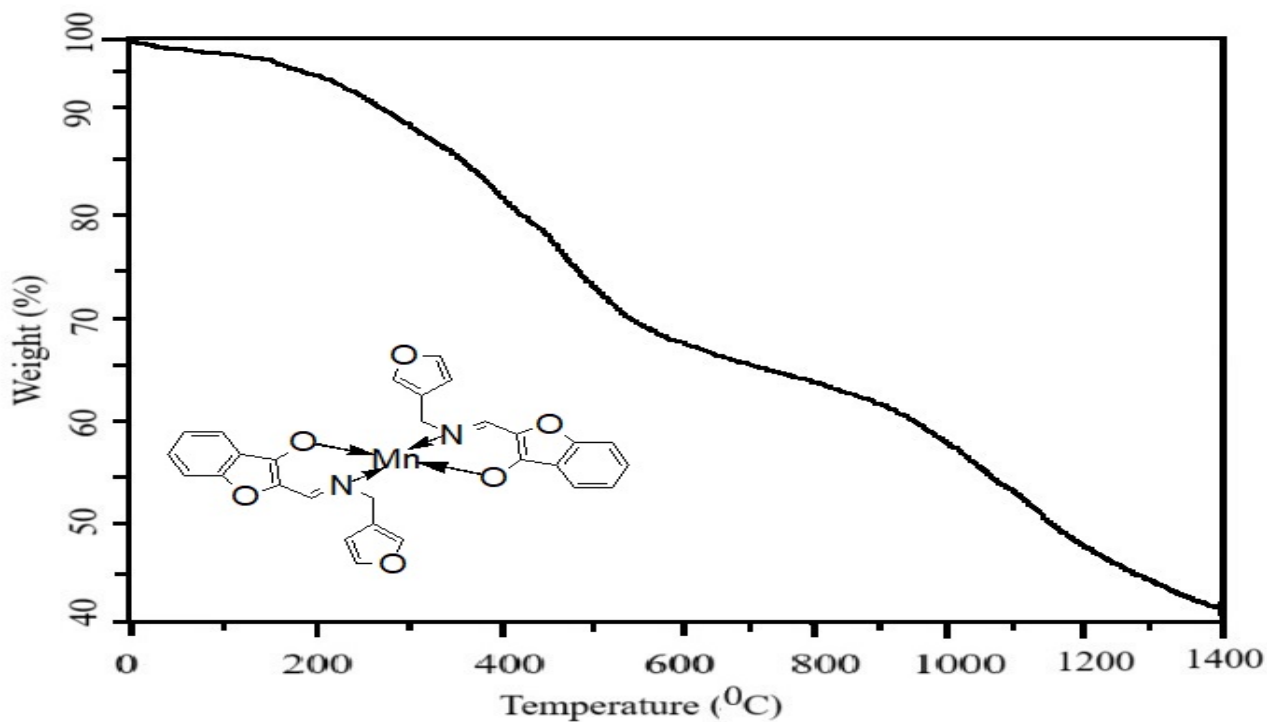


Figure 10 TGA spectra of Mn(II) Complex

Sample code: Mn

VARIAN 400MHz
Solvent : dmsd
Date: Mar 20 2024

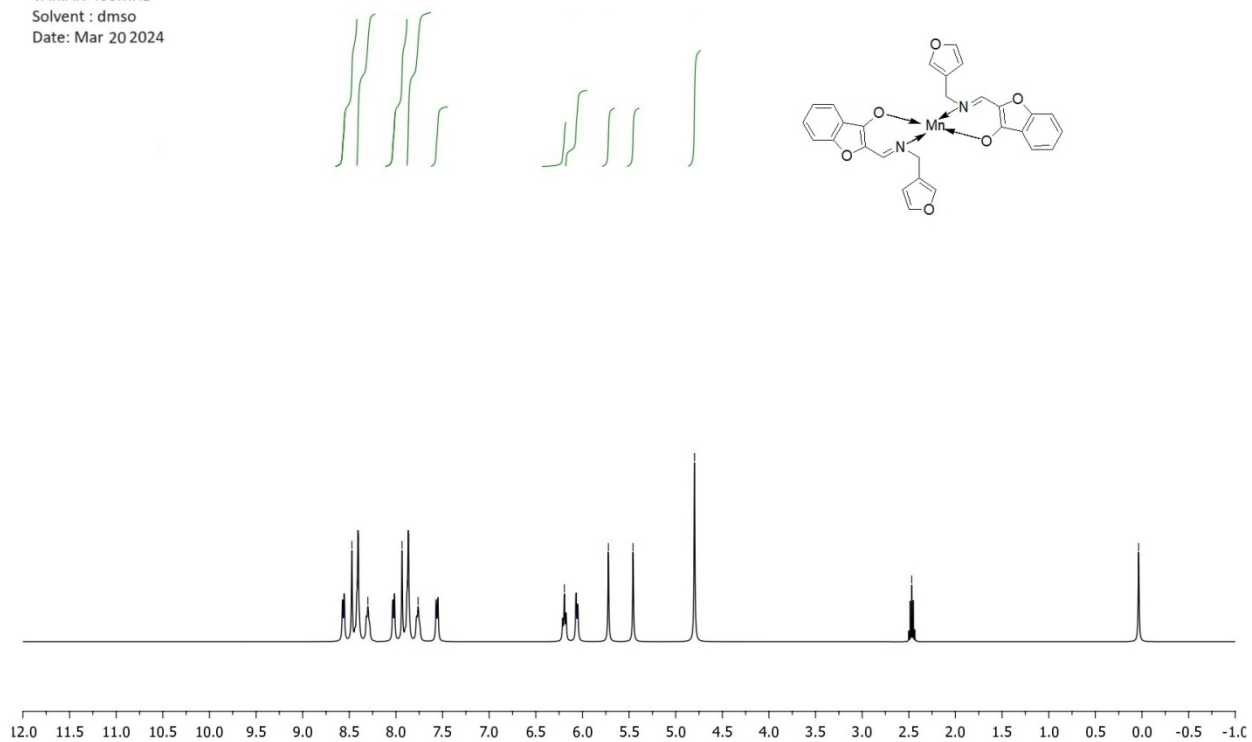


Figure 11 ^1H NMR spectra of Mn(II) Complex