

# NMR Measurement Report

Sample name: AC-27

9-3-2024

Spectrometer: Bruker 600 MHz

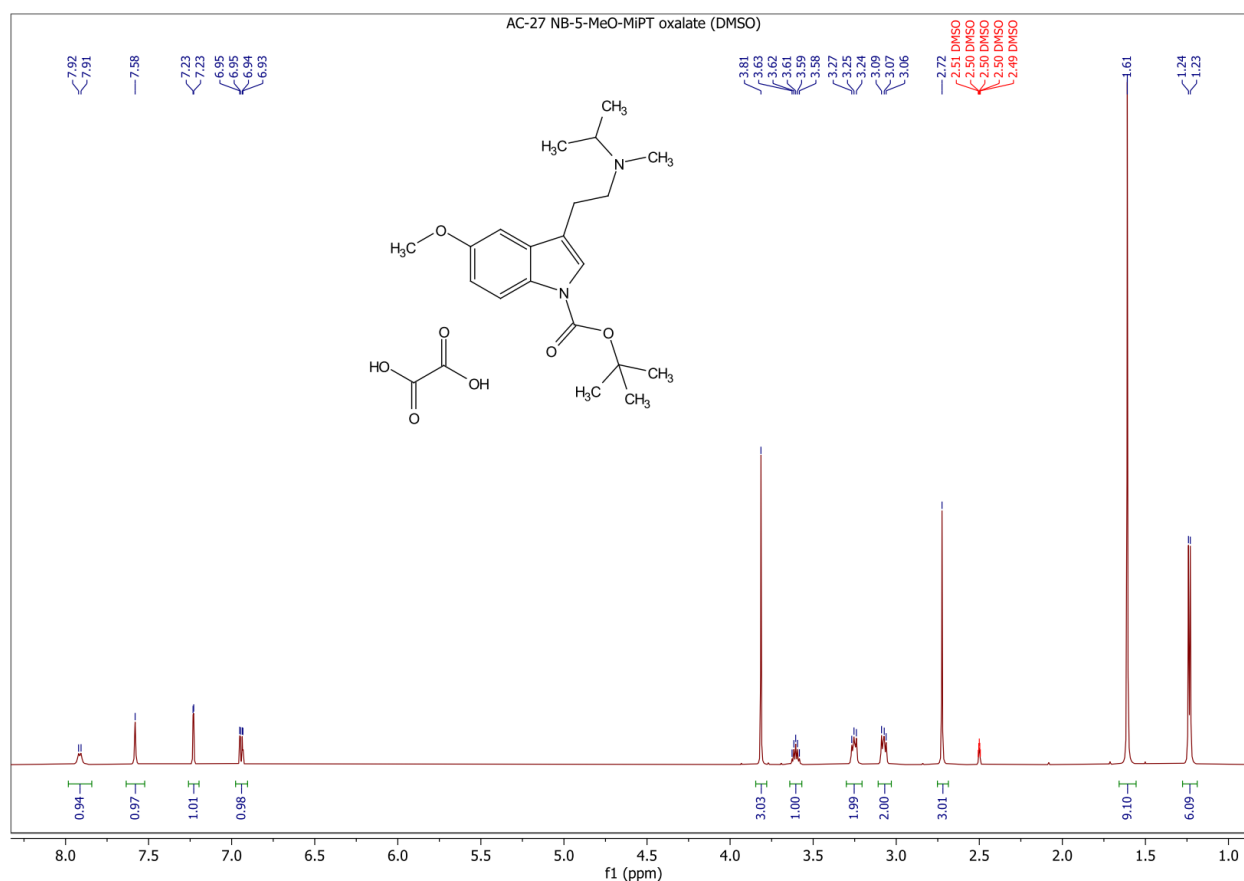
Solvent: DMSO-*d*6

Expected compound: NB-5-MeO-MiPT oxalate

Identified compound: NB-5-MeO-MiPT oxalate

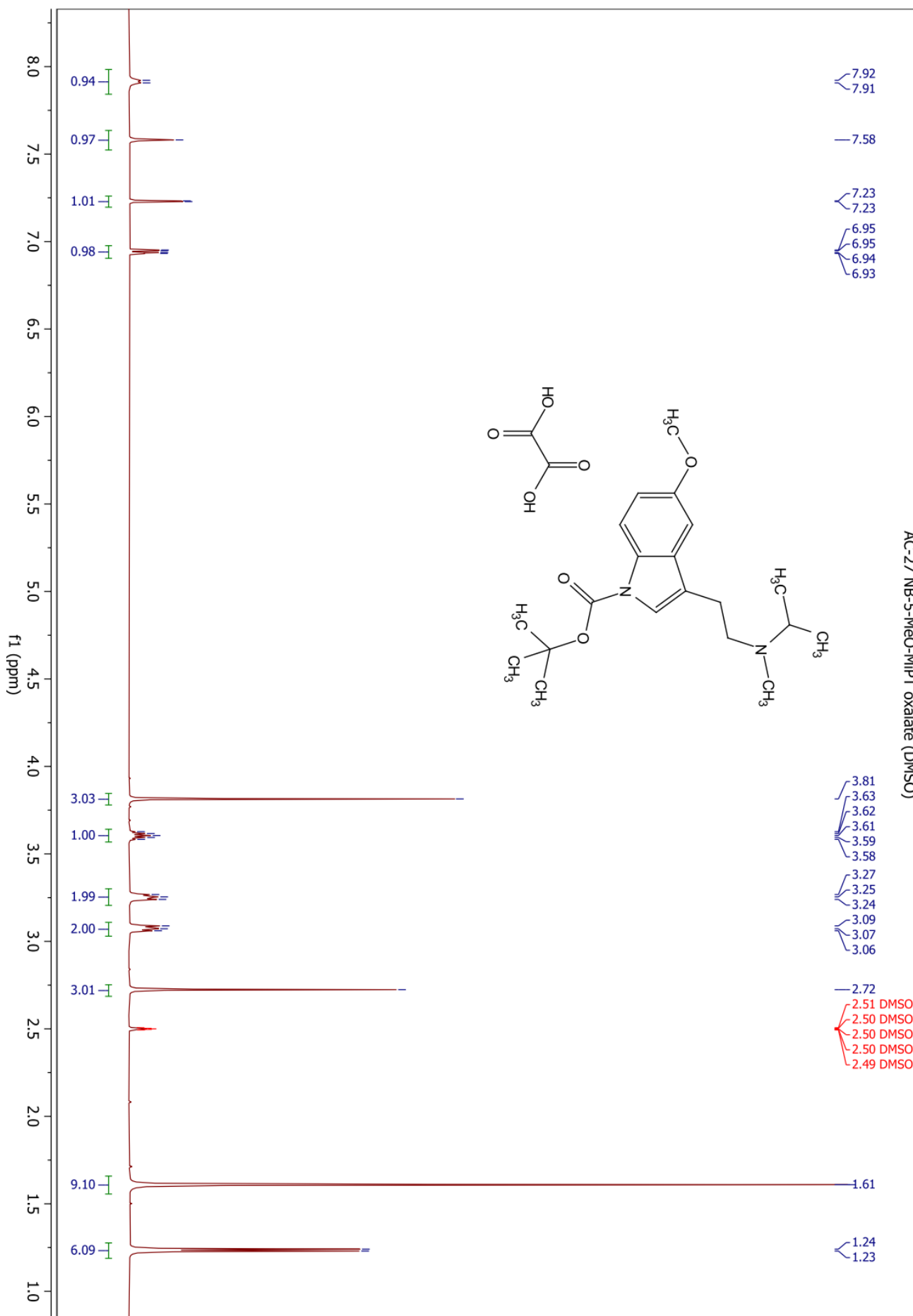
5-Methoxy-*N*-methyl-*N*-(1-methylethyl)-*tert*-butyl-3-(2-aminoethyl)-1*H*-indole-1-carboxylate

Estimated purity: 99%

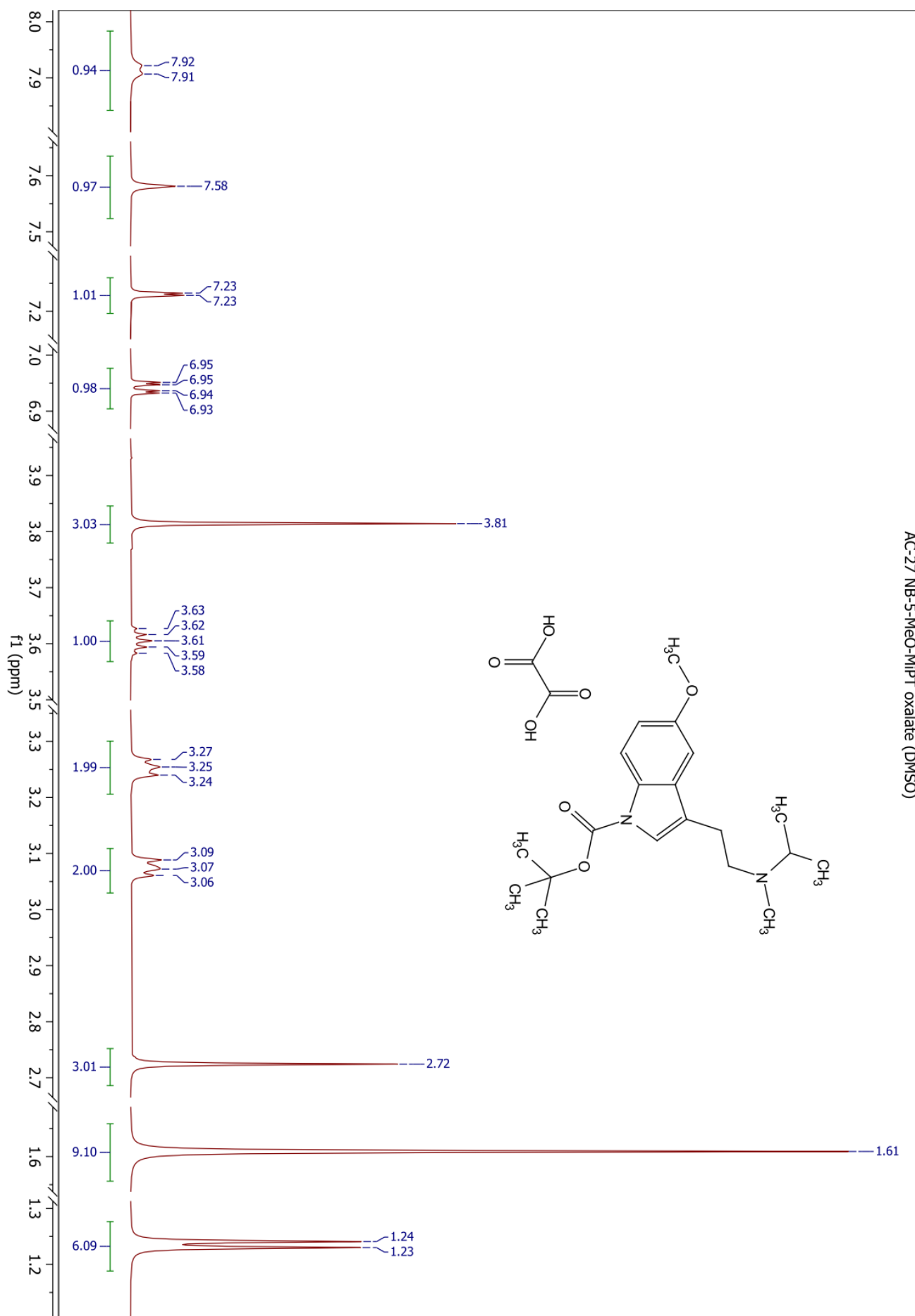


**Lab Notes:** The sample contained the expected compound NB-5-MeO-MiPT presumably in its oxalate salt form with only a single trace impurity (acetic acid, <1%). <sup>1</sup>H NMR is not capable of detecting oxalate ions due to their lack of protons. A <sup>13</sup>C NMR measurement would be the simplest way to verify the presence of oxalate as the counterion.

<sup>1</sup>H NMR: full non-empty spectrum



<sup>1</sup>H NMR: cut and zoomed spectrum



AC-27 NB-5-MeO-MIPT oxalate (DMSO)