

# NMR Measurement Report

Sample name: AC-06

11-5-2023

Spectrometer: Bruker 600 MHz

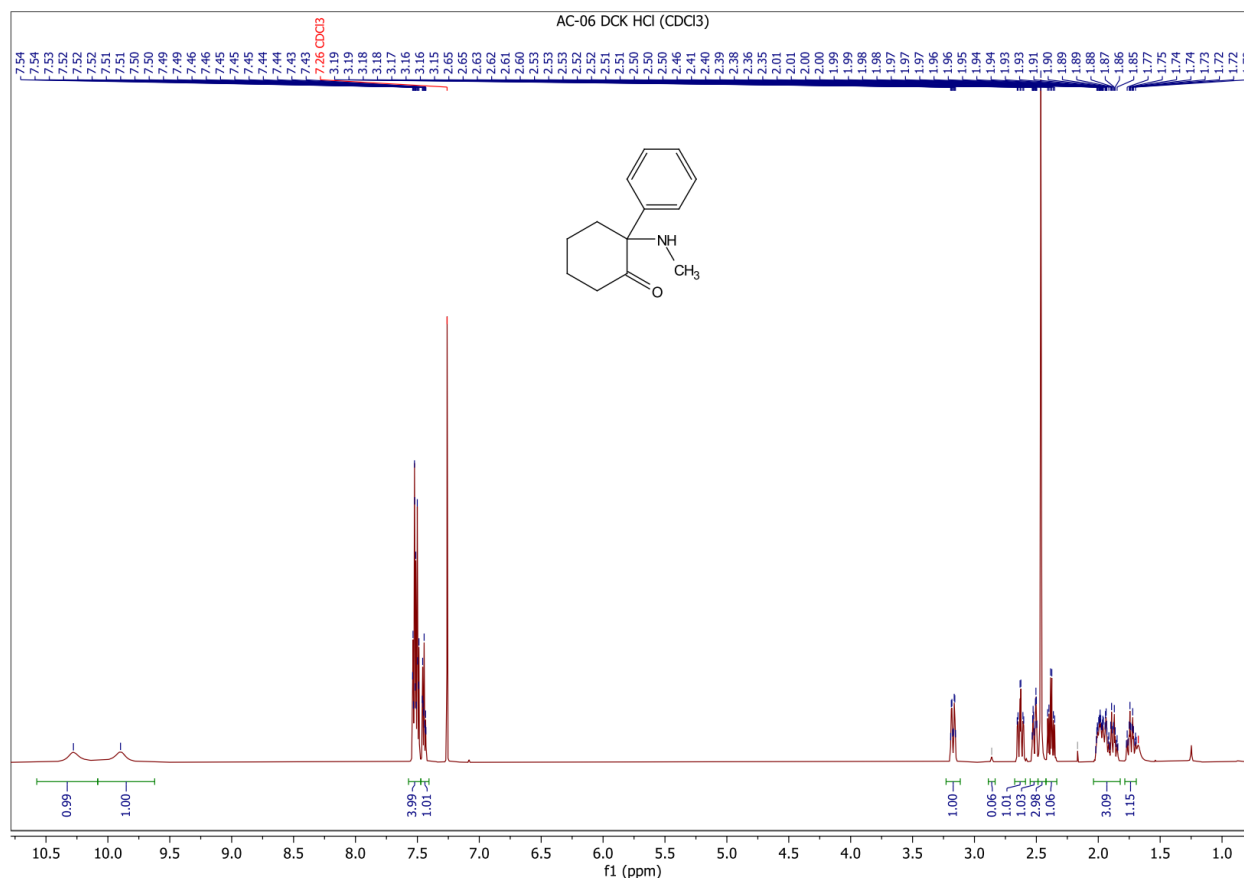
Solvent: CDCl<sub>3</sub>

Expected compound: DCK HCl

Identified compound: DCK HCl

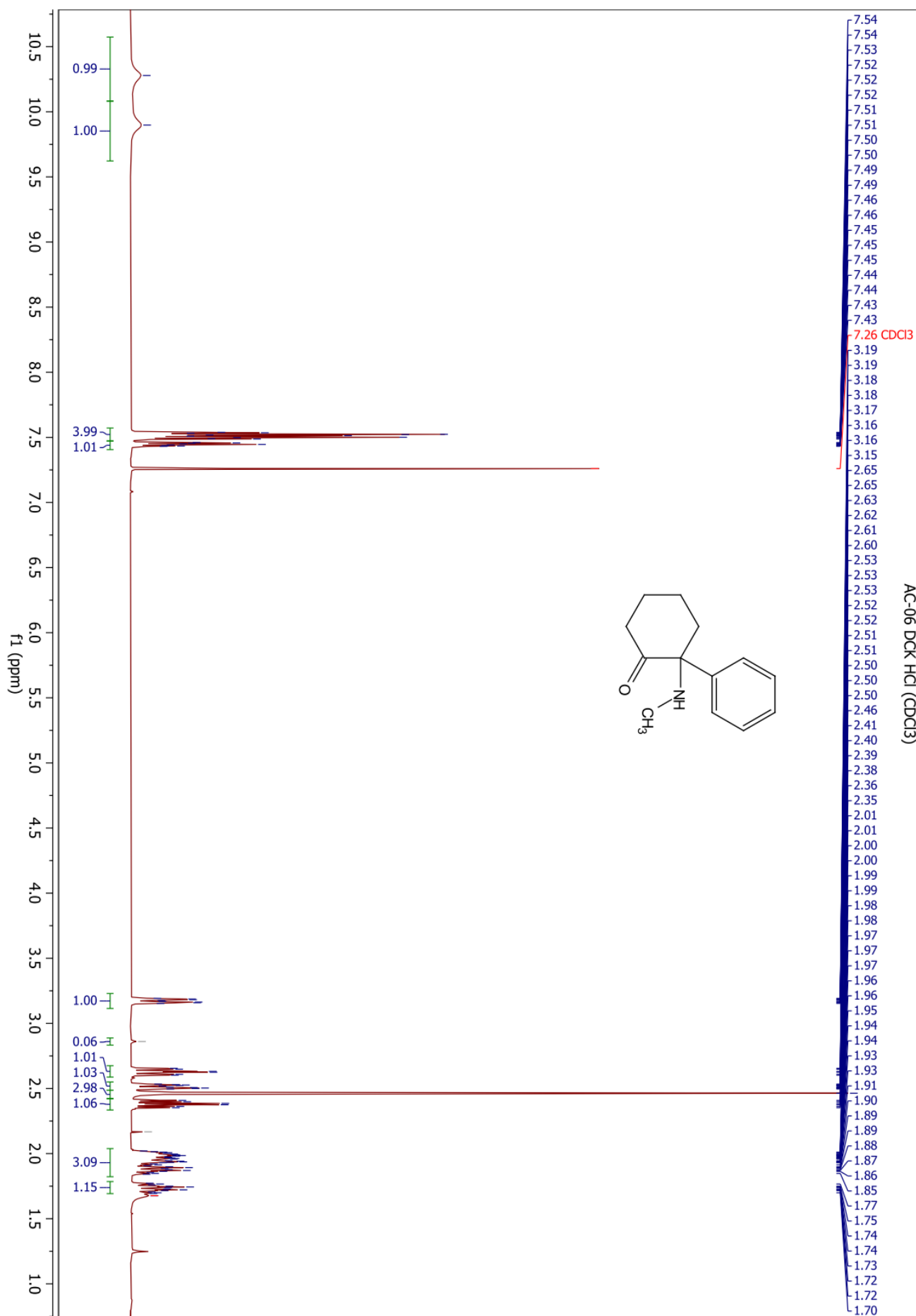
2-(methylamino)-2-phenylcyclohexan-1-one

Estimated purity: 99%



**Lab Notes:** The sample contained the mostly pure compound DCK in its HCl salt form. The only <sup>1</sup>H NMR active impurities were 0.5% methylamine HCl and trace amounts of acetone.

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



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

