

NMR Measurement Report

Sample name: AC-36

27-6-2024

Spectrometer: Bruker 600 MHz

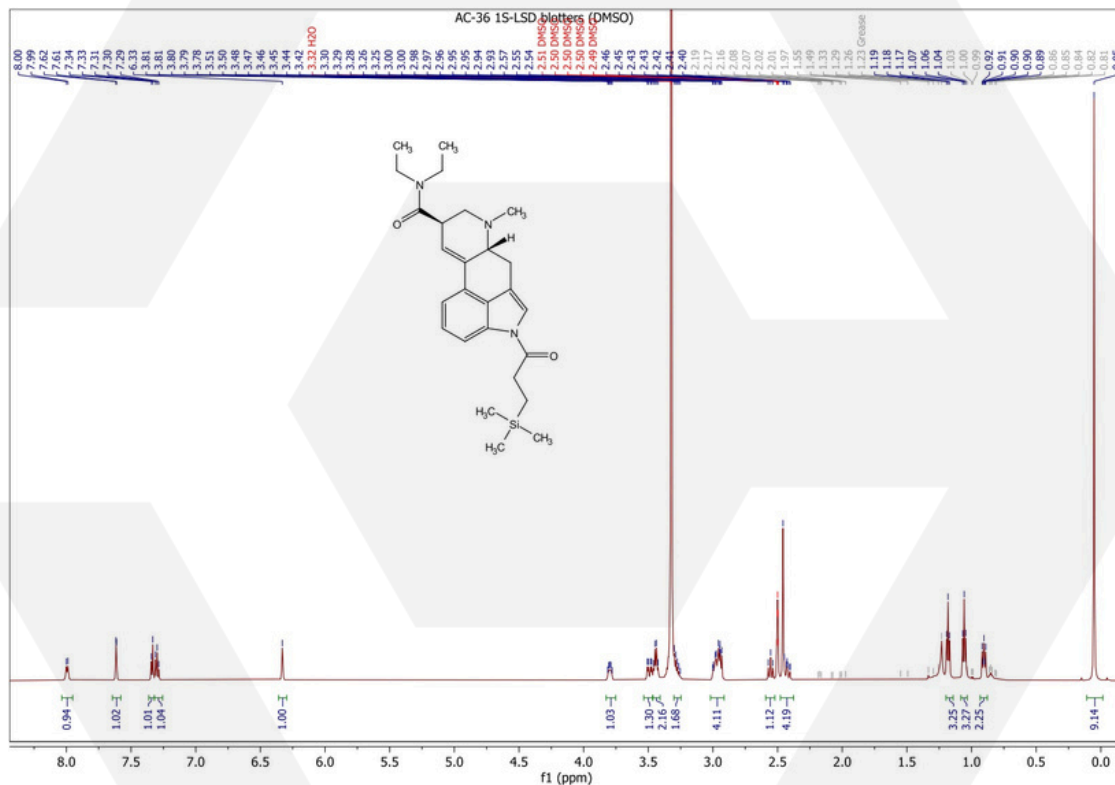
Solvent: DMSO-d6

Expected compound: 1S-LSD hemitartrate

Identified compound: 1S-LSD

1-(3-(trimethylsilyl)propionyl)-lysergic acid diethylamide

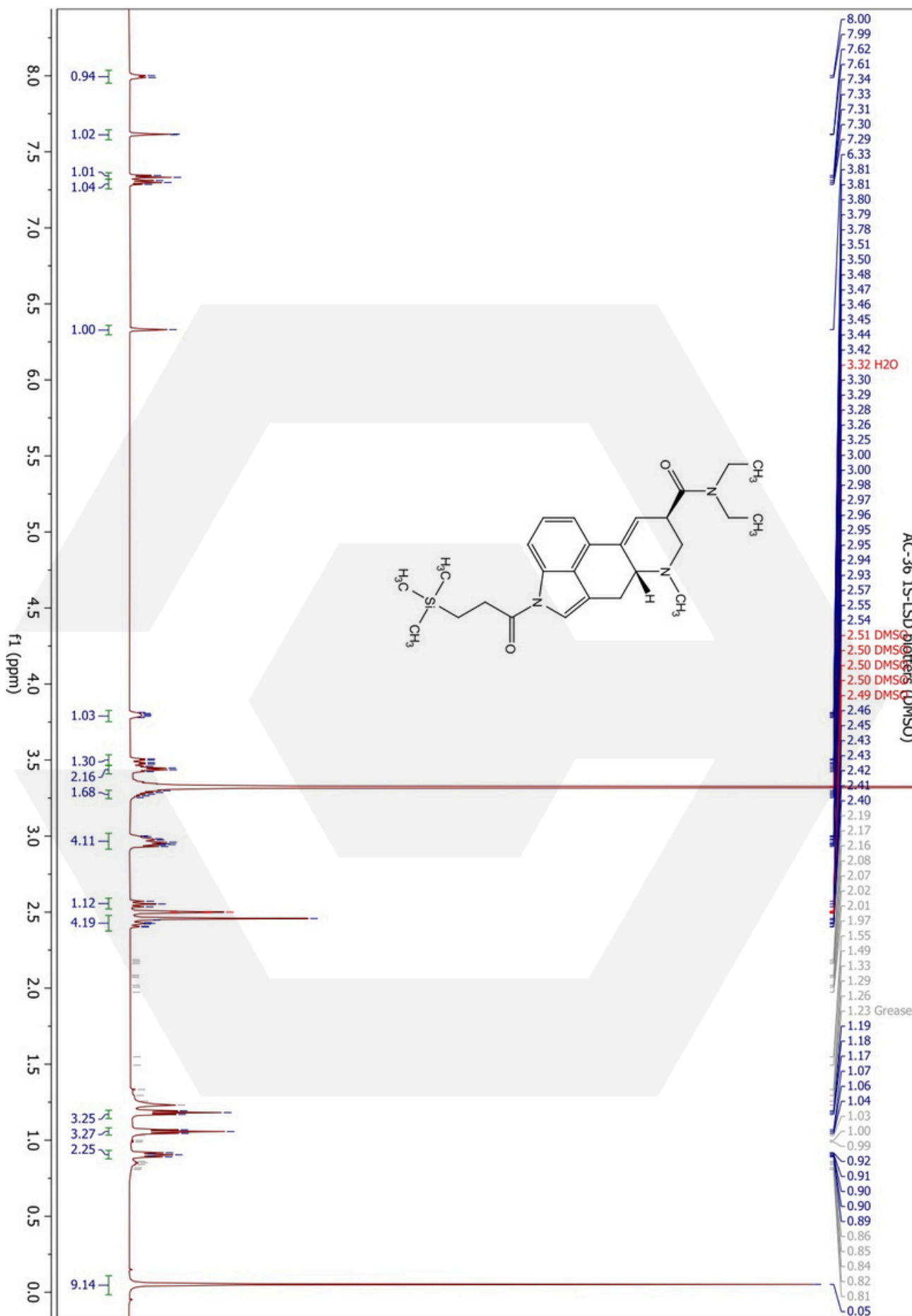
Estimated purity: high



Lab Notes:

The sample contained the expected substance 1S-LSD with no detectable lysergamide impurities. Analyzing this and similar materials dried on paper is generally challenging due to their low concentration and relatively low solubility. As a consequence, water from condensation during cooling as well as other substances extracted from the paper can overlap with parts of the spectrum and interfere with its interpretation. In this case, a milder extraction method with a subsequent drying step was successfully used to minimize adulteration of the sample, yielding a spectrum that was easy to interpret with a high degree of confidence.

¹H NMR: full non-empty spectrum



¹H NMR: cut and zoomed spectrum

