

Return of the lysergamides. Part II: Analytical and behavioural characterization of *N*⁶-allyl-6-norlysergic acid diethylamide (AL-LAD) and (2'S,4'S)-lysergic acid 2,4-dimethylazetidide (LSZ)

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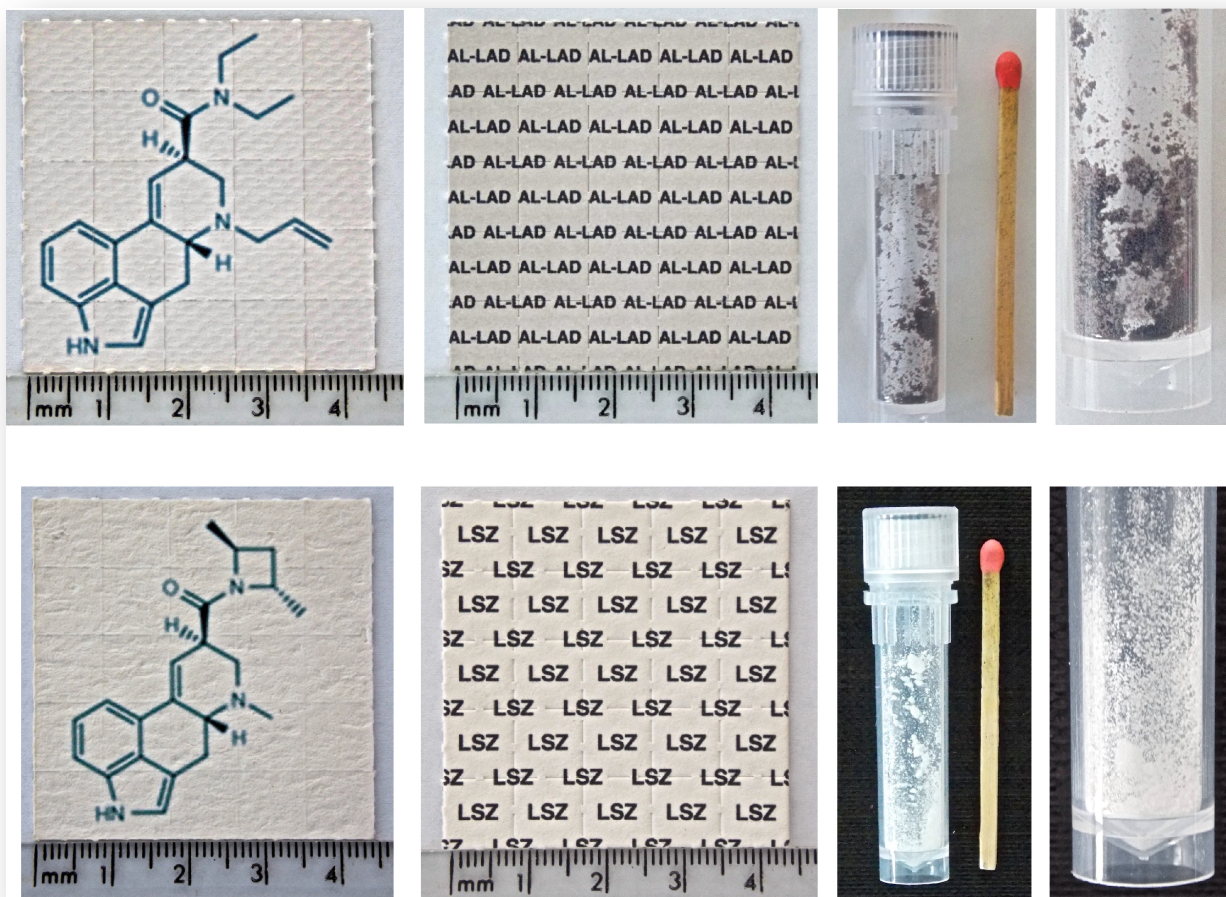
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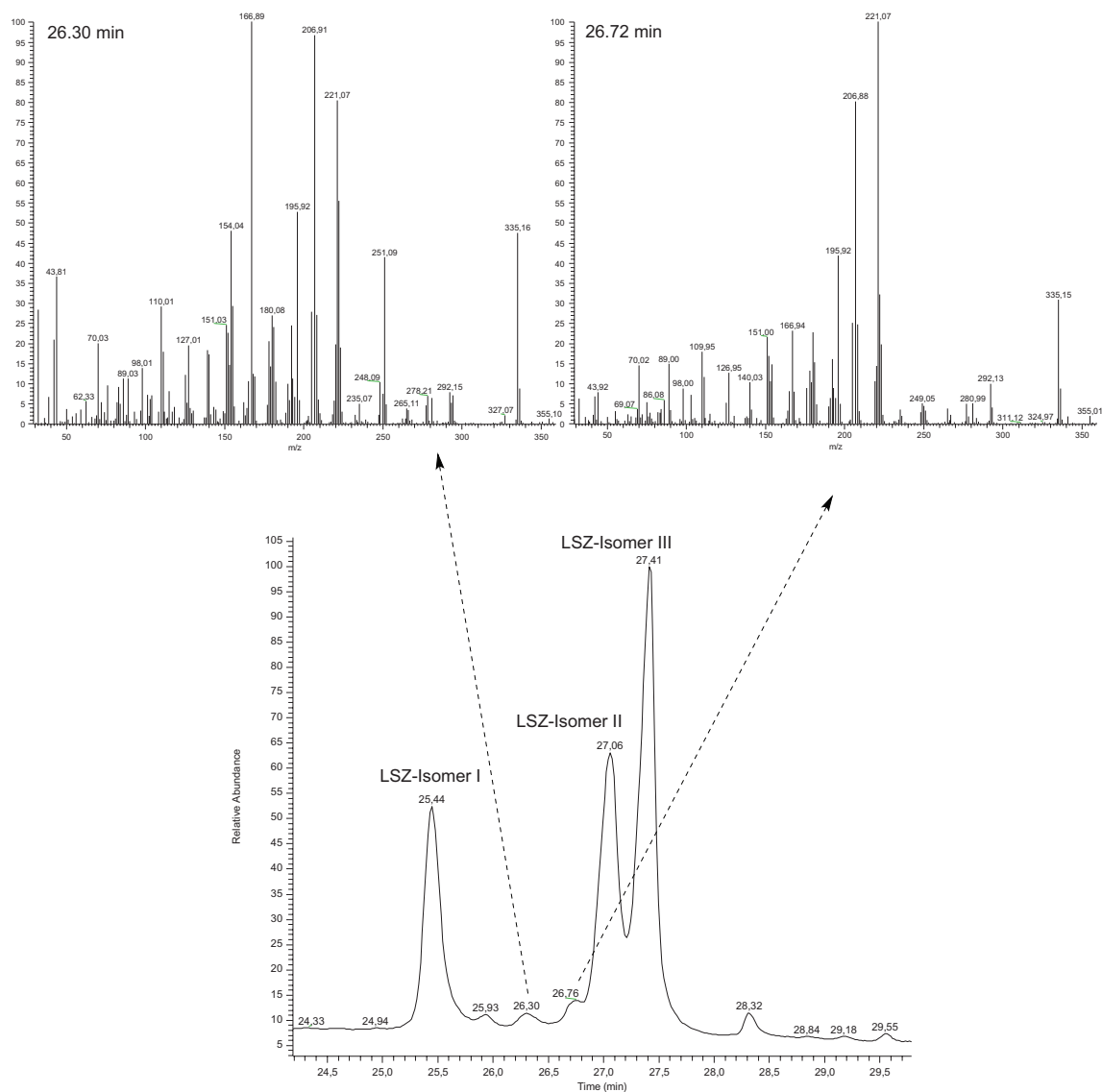
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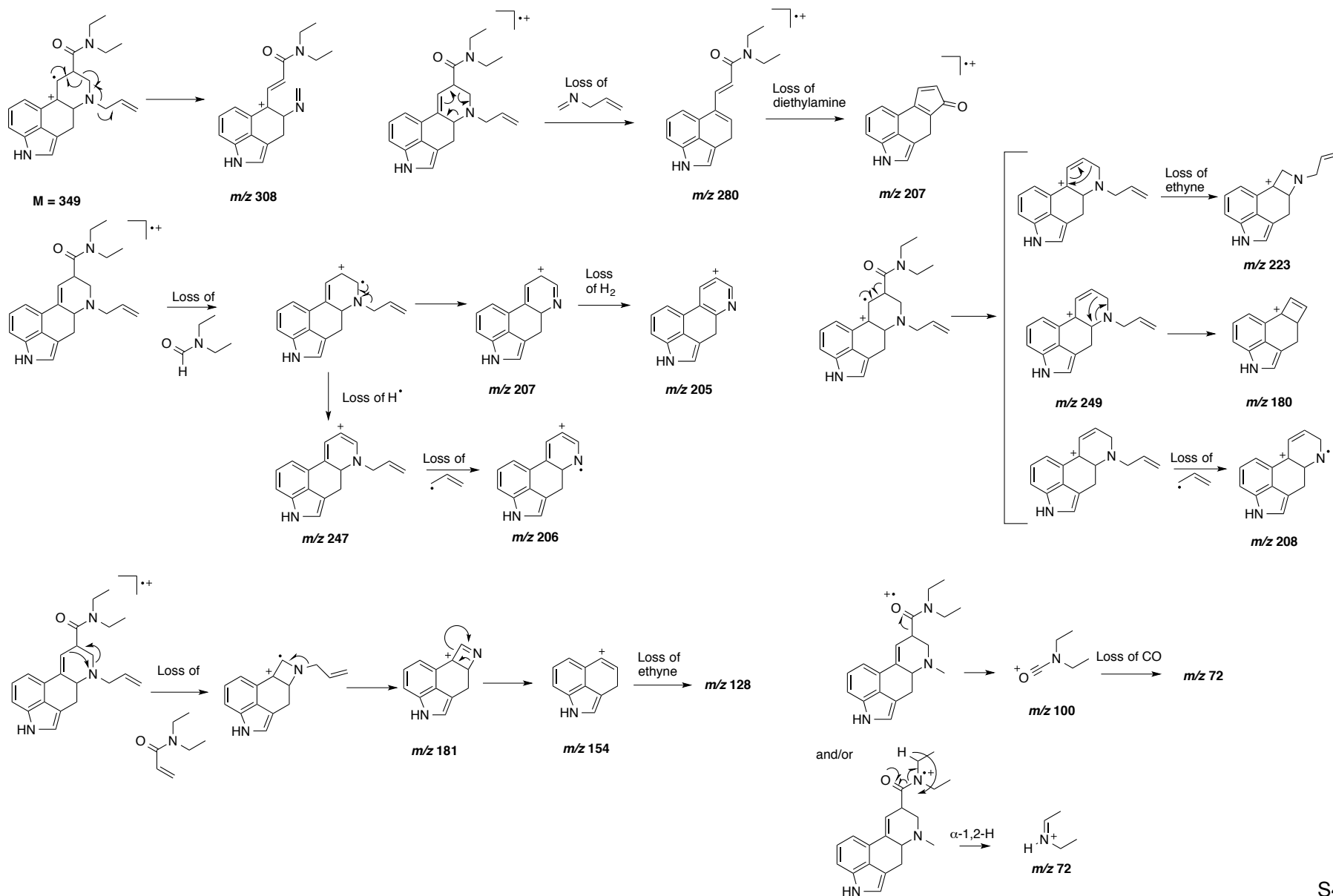
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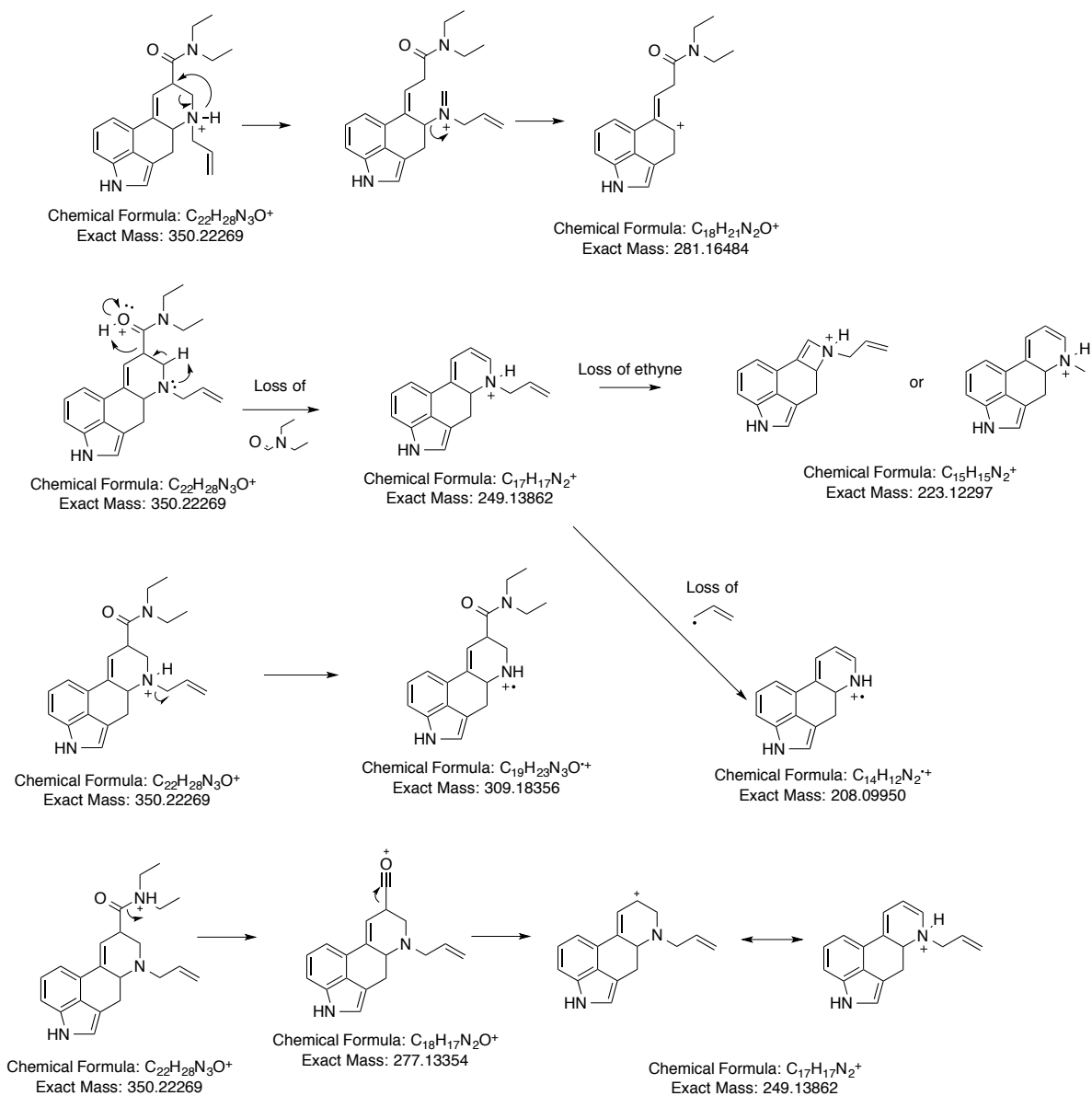
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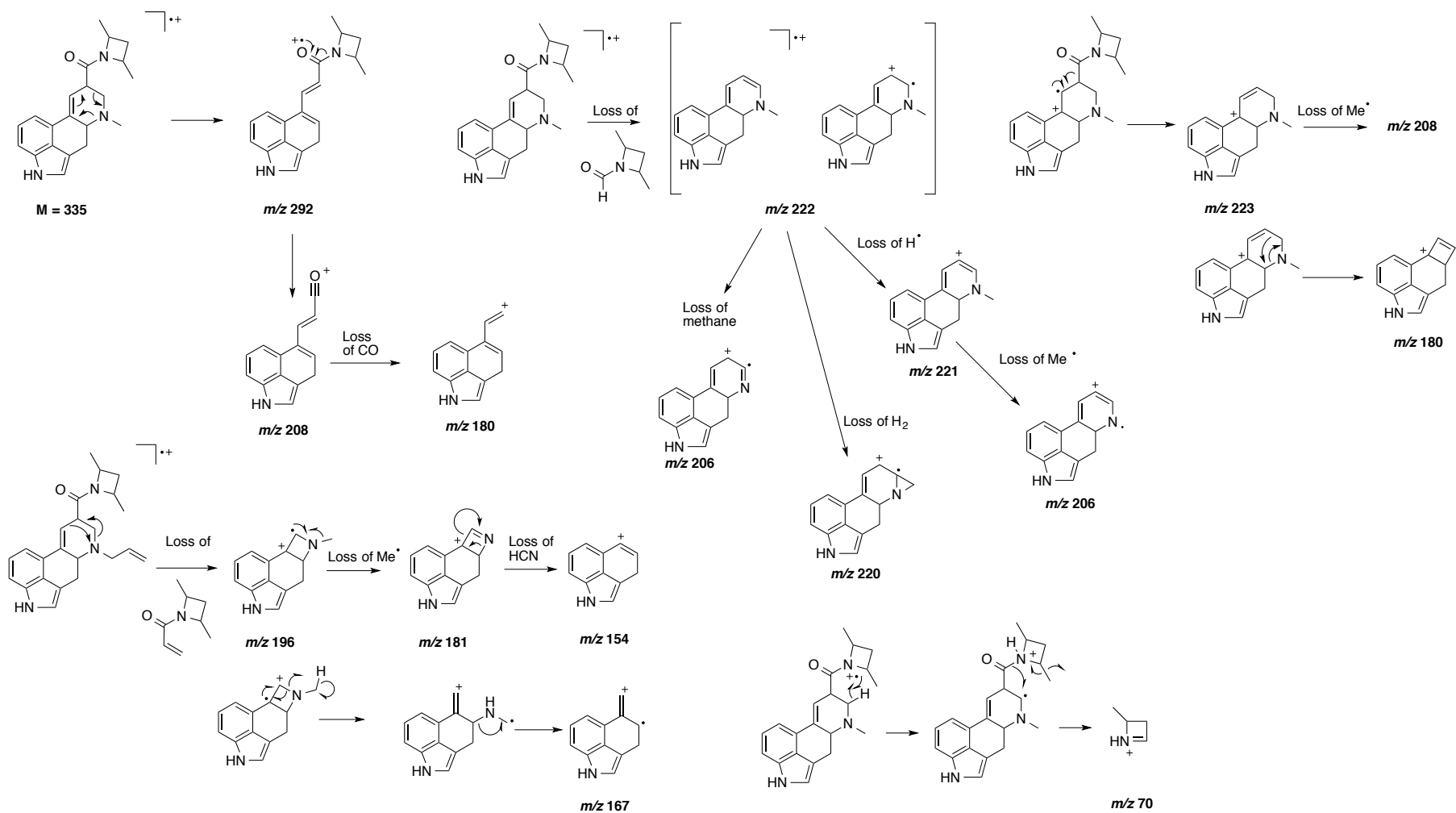


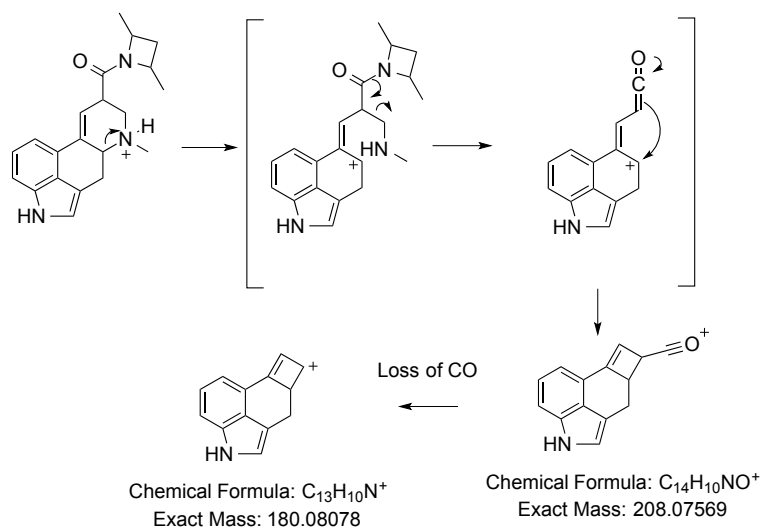
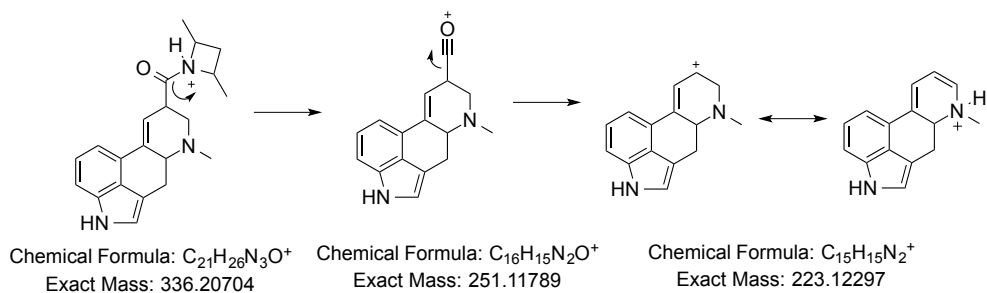
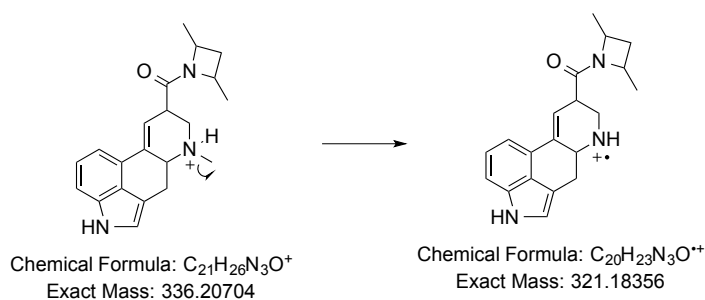
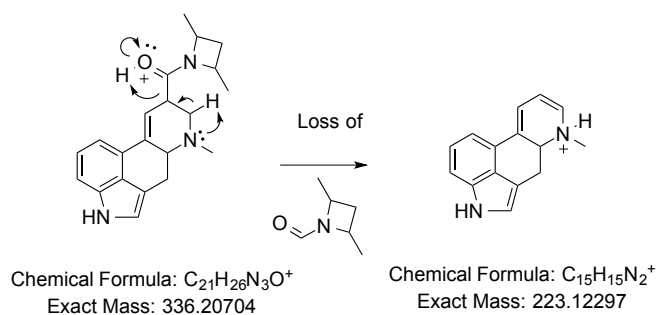
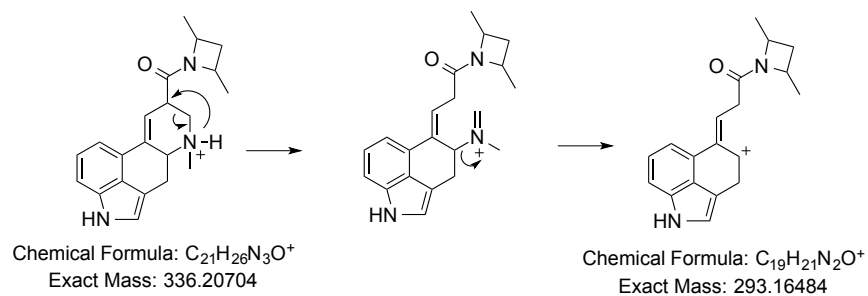
LSZ Isomers (minor)
(spectra background subtracted)

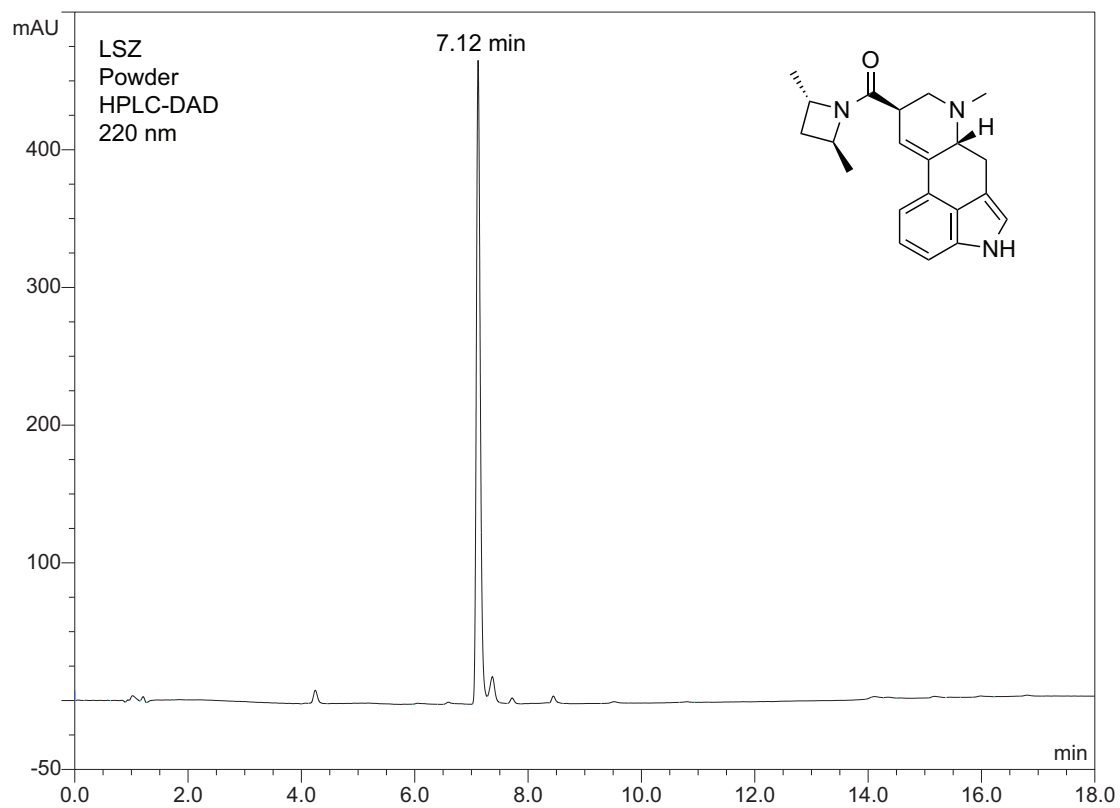
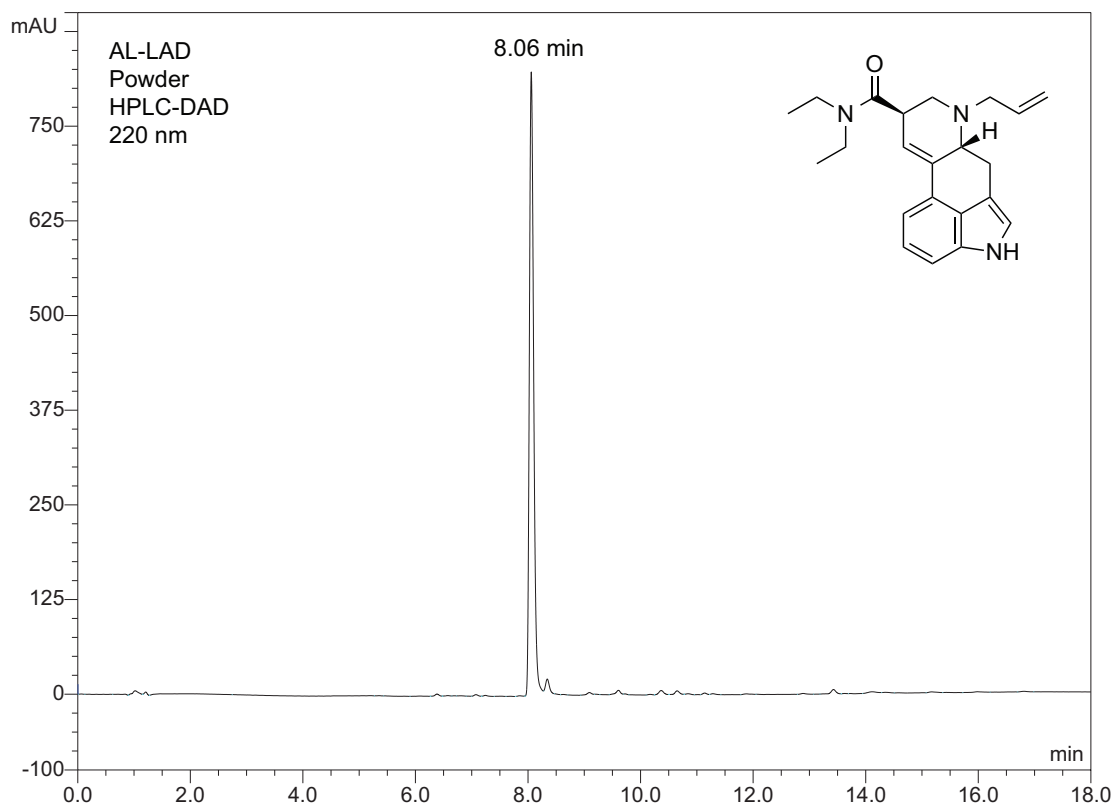


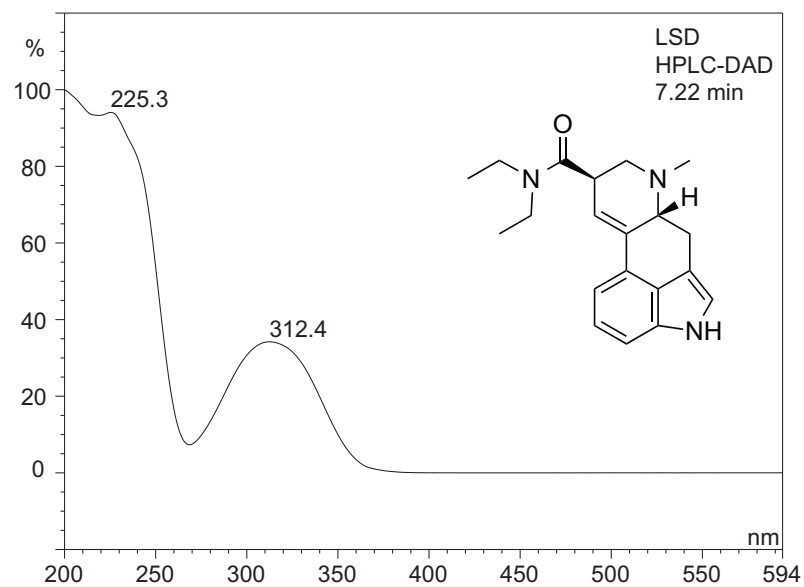
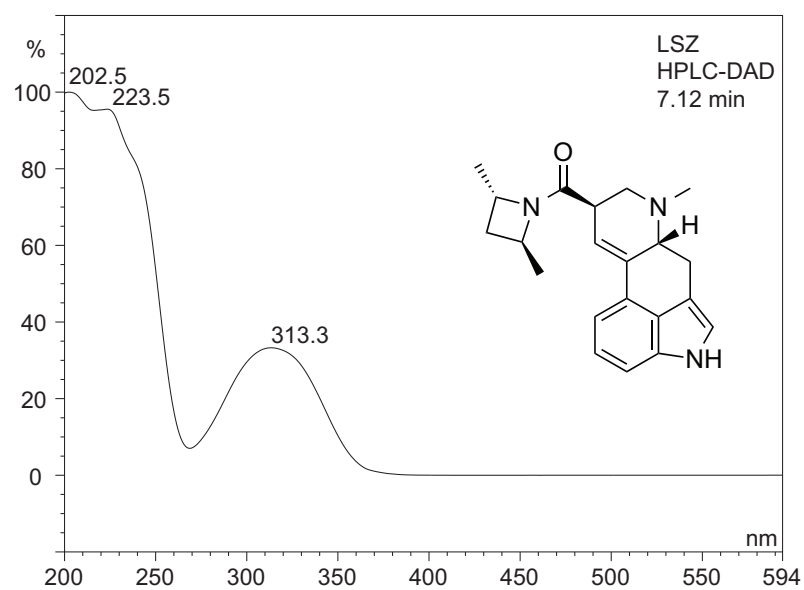
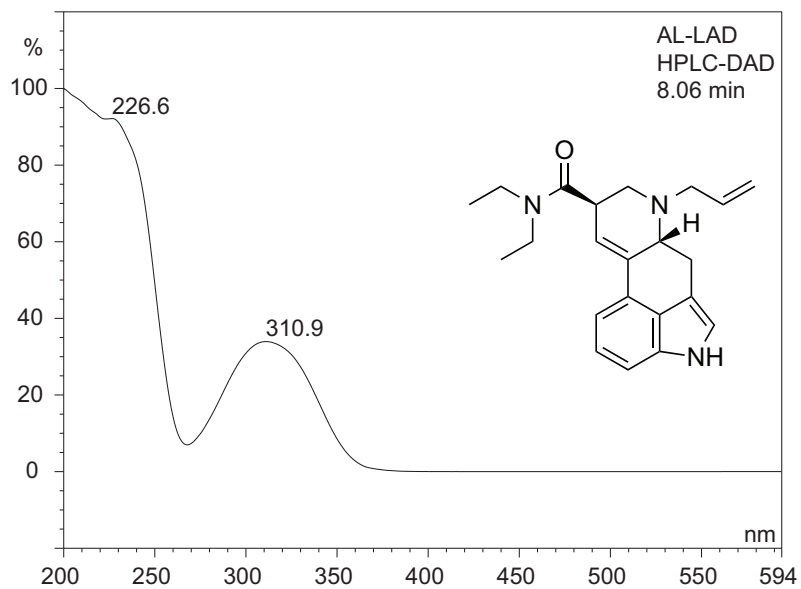


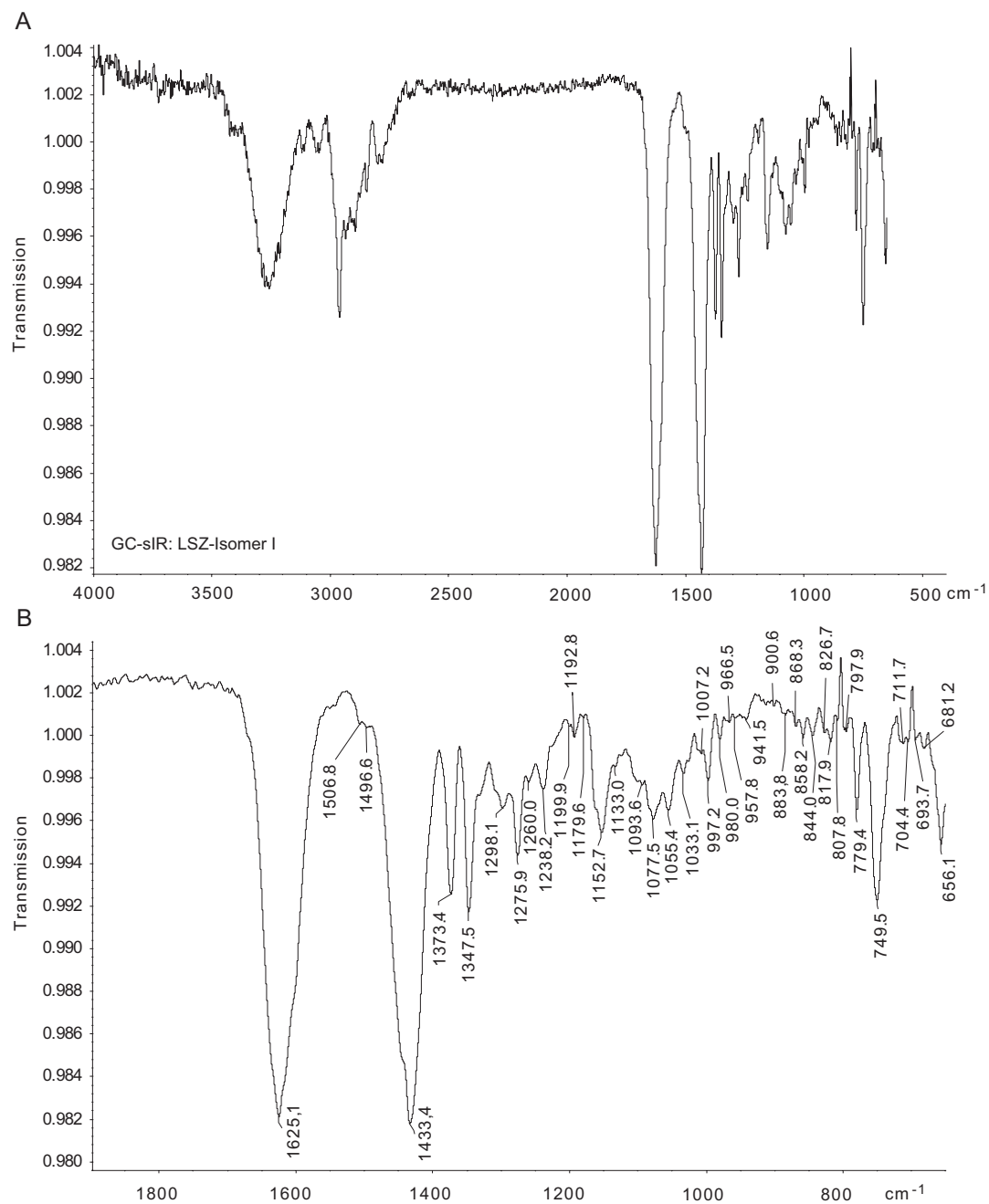


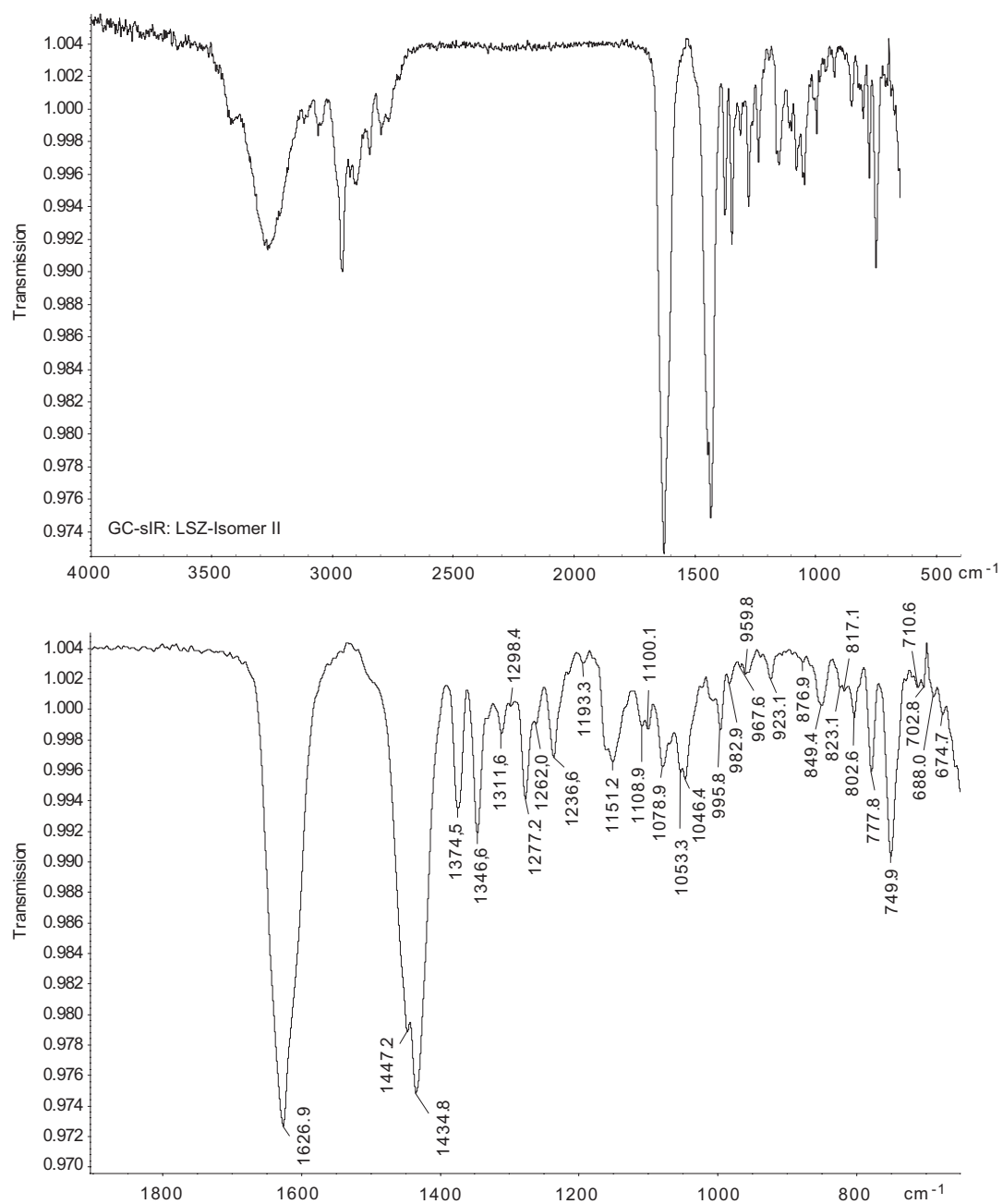


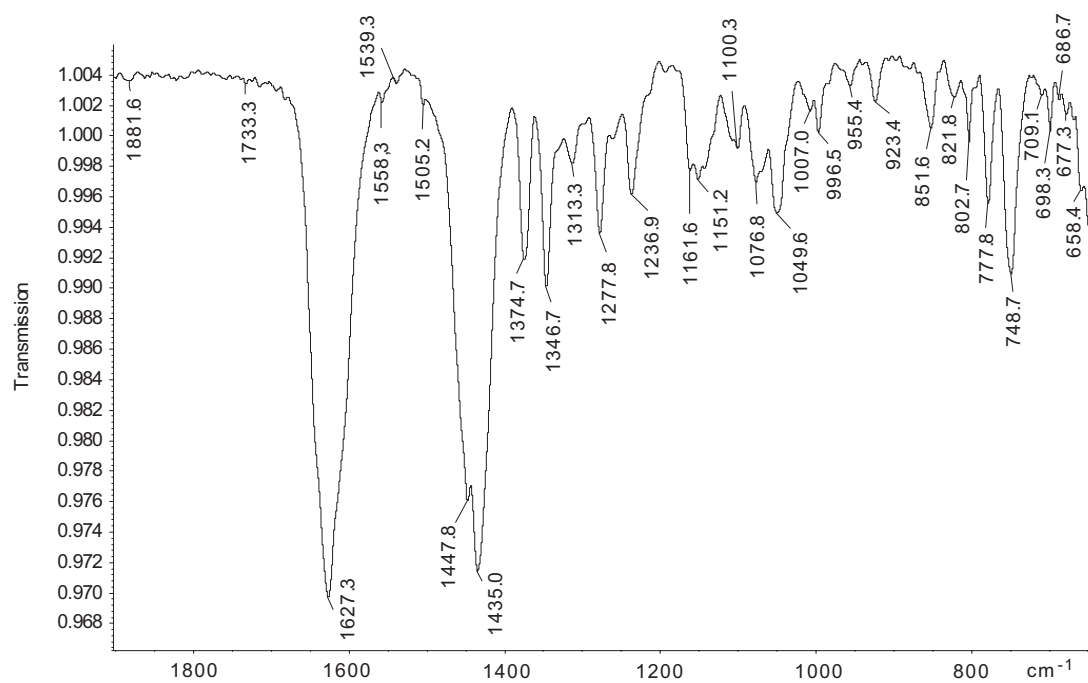
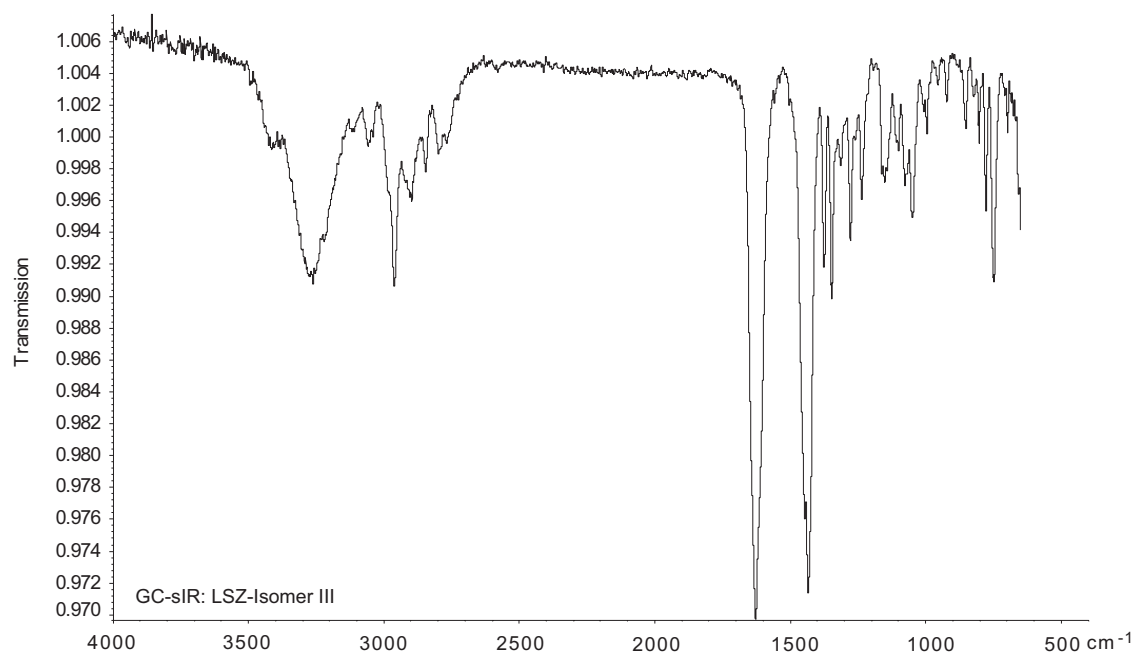


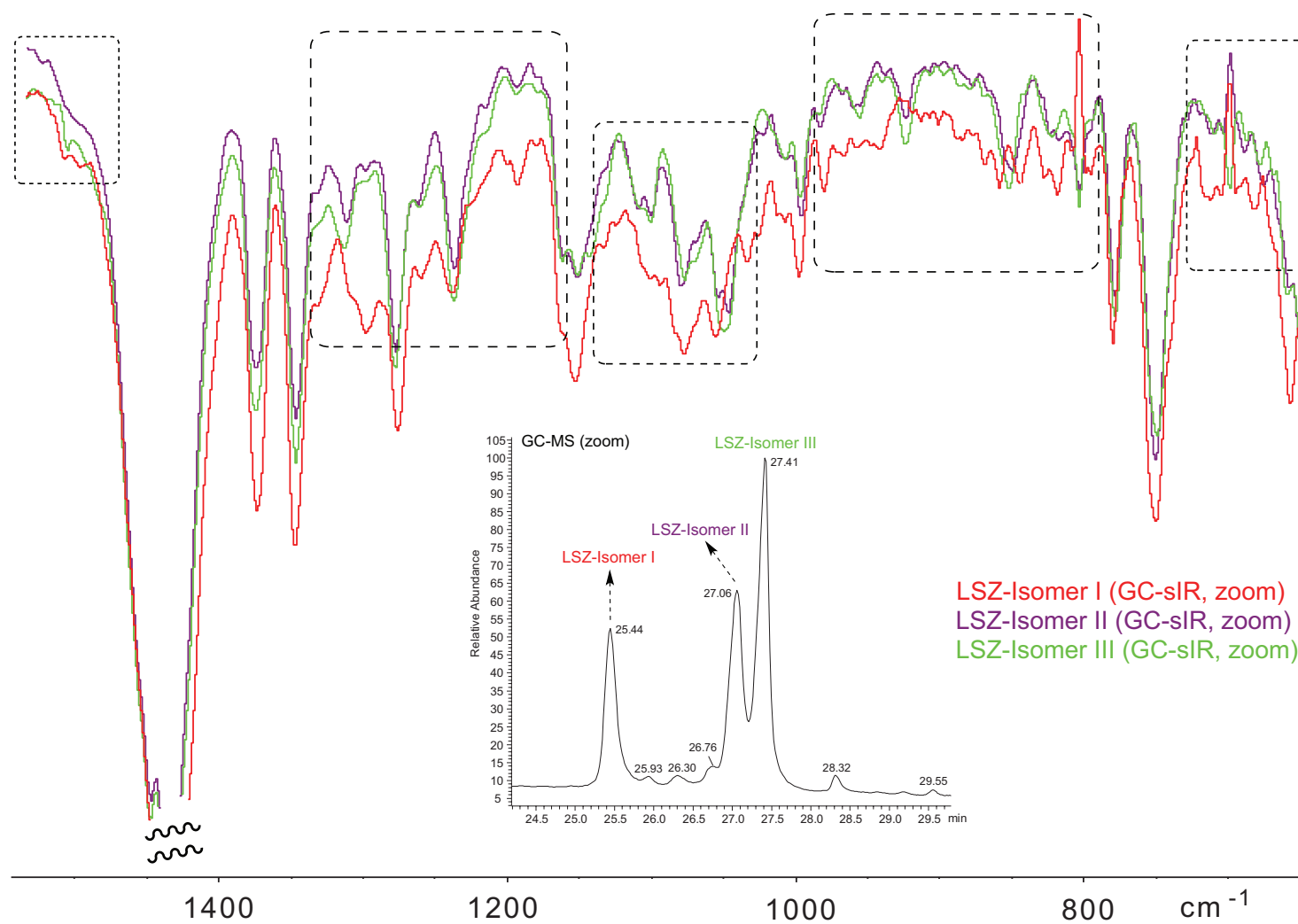


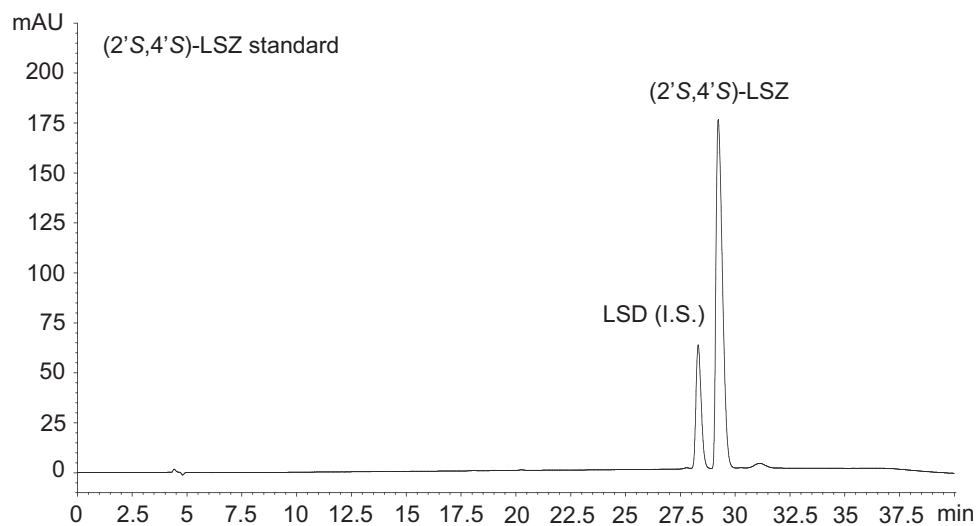
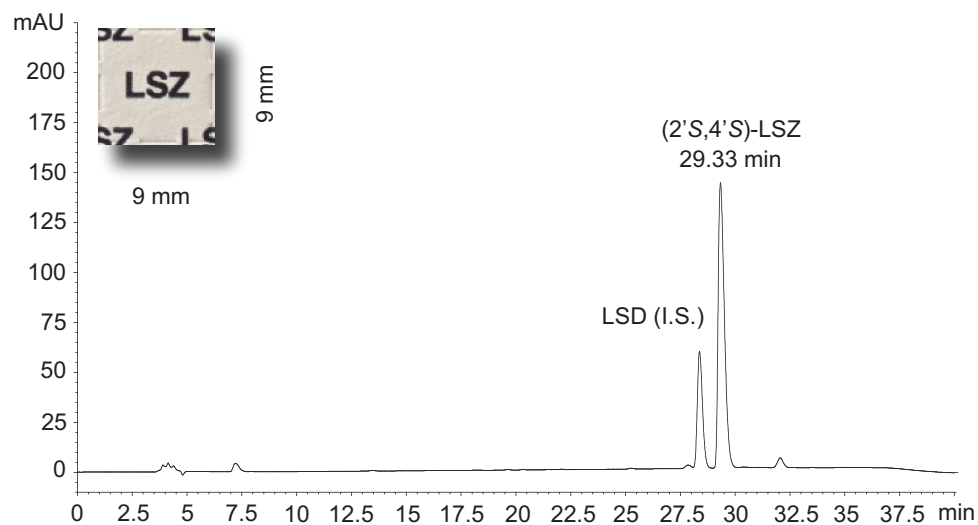
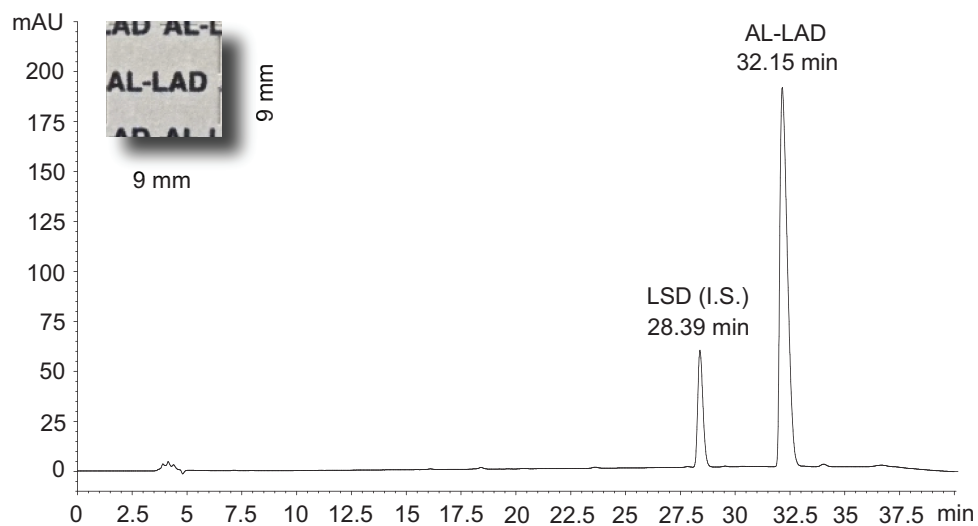


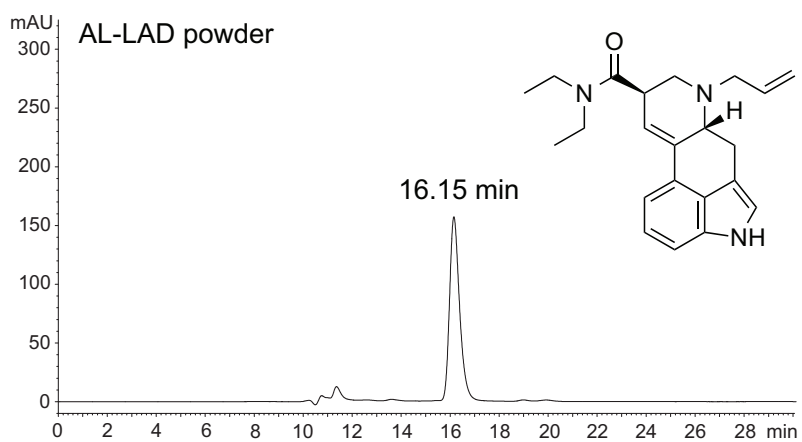
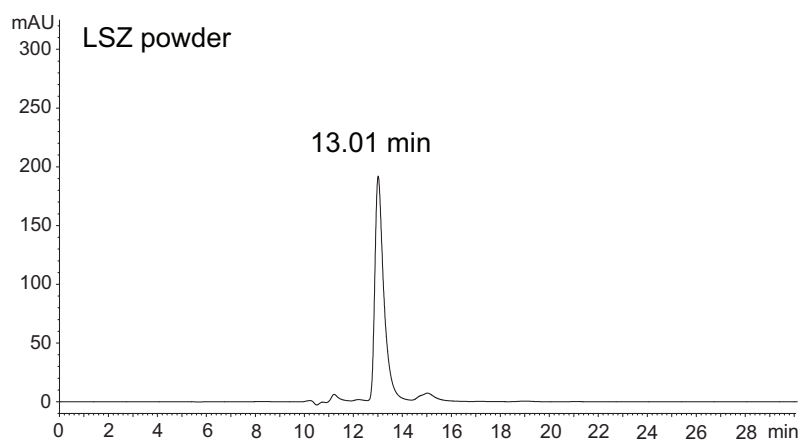
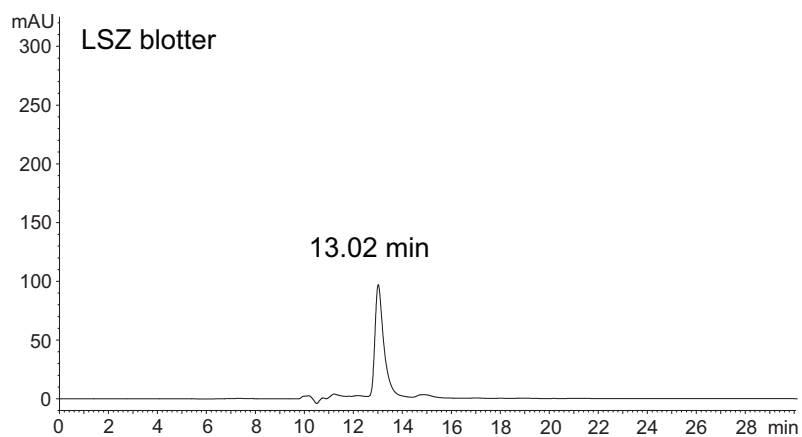
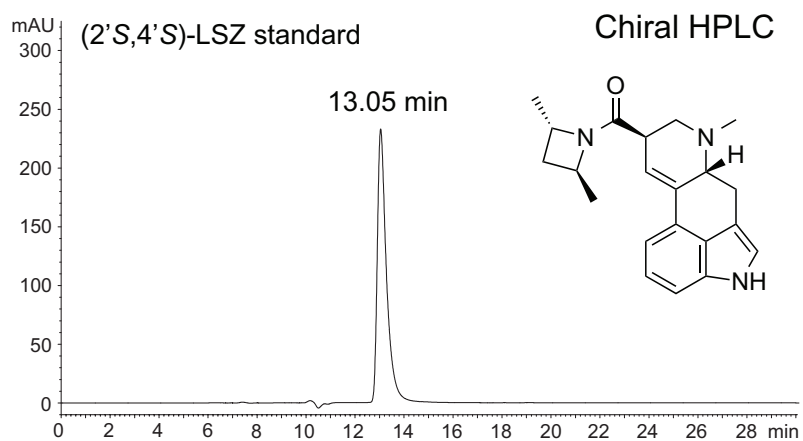








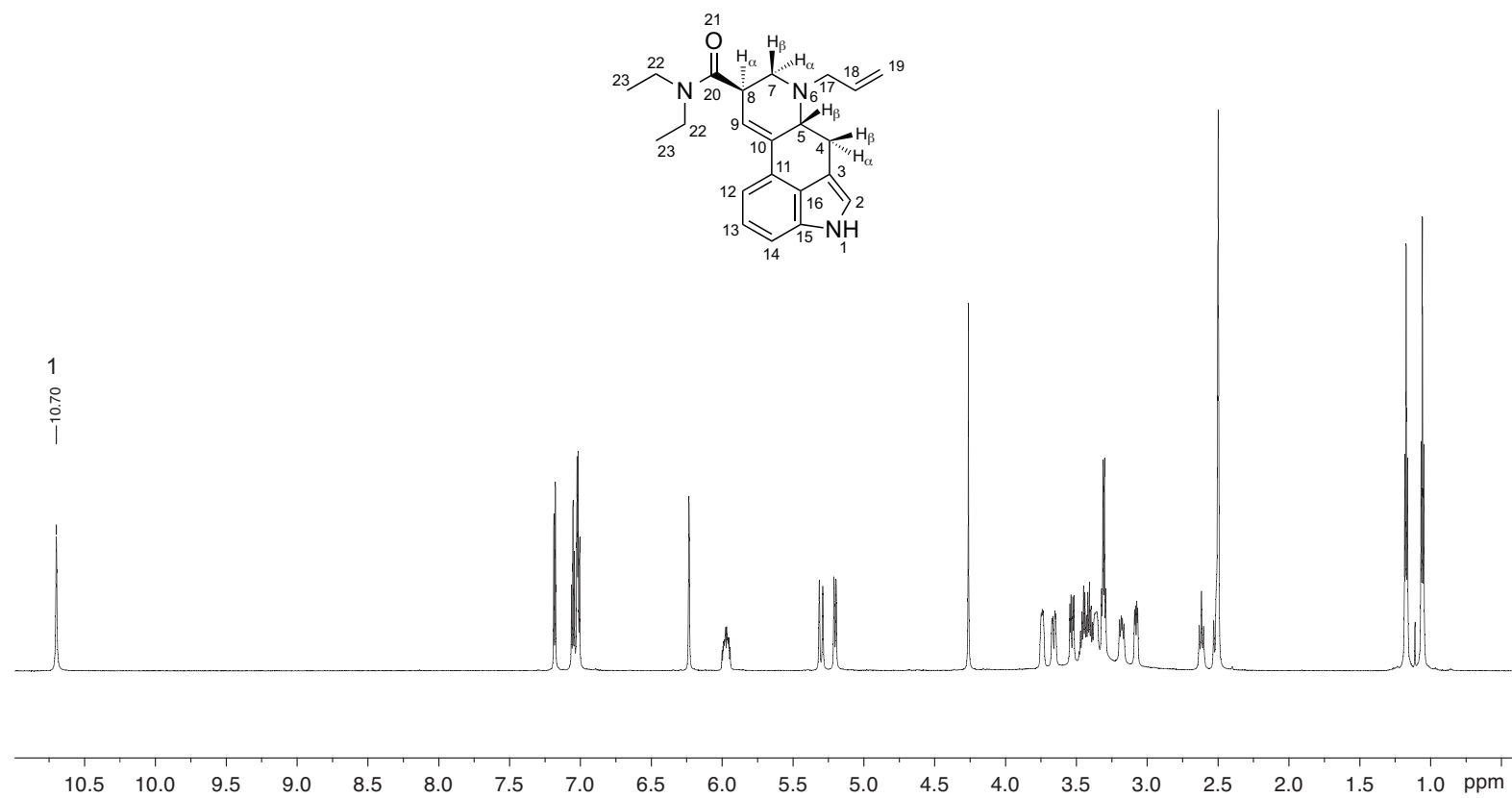




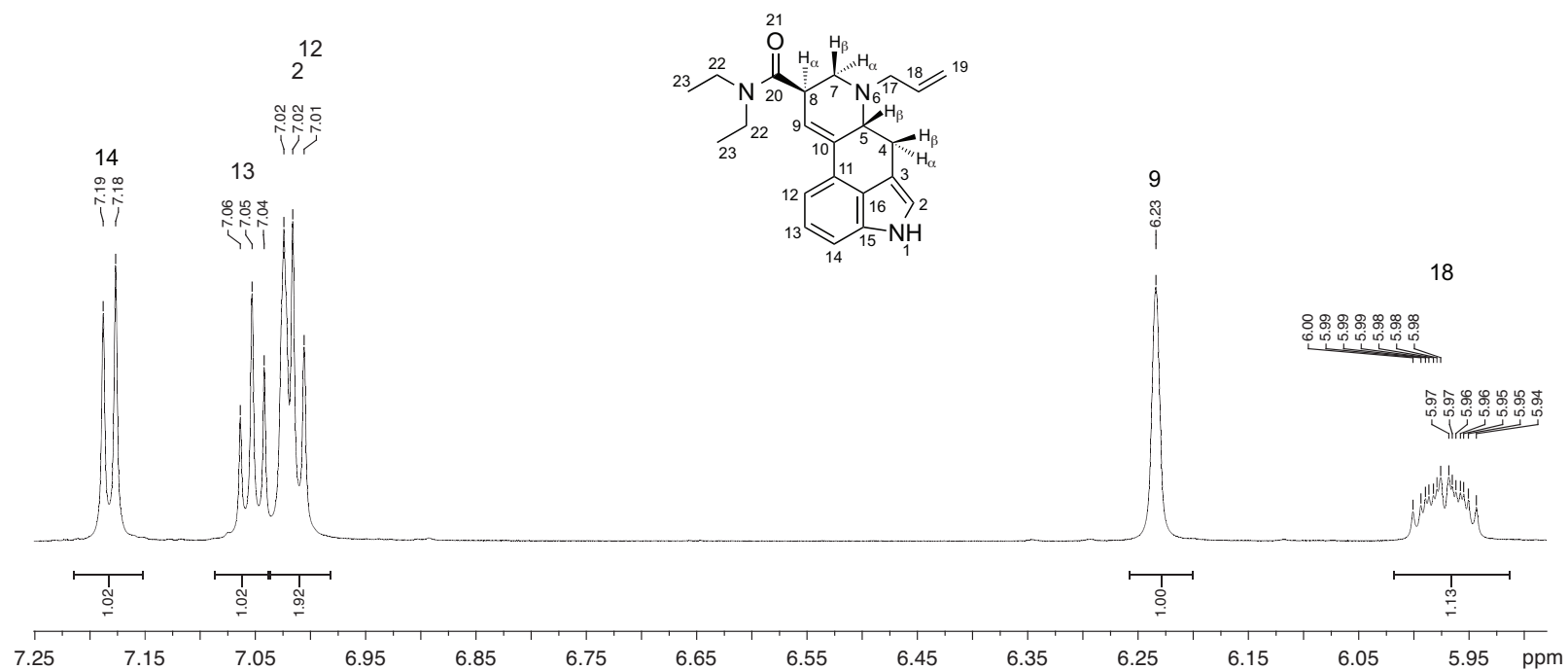
Chiral HPLC analysis

Chiral HPLC analyses were performed using the equipment described in the manuscript. Separation was obtained on a CHIRALPAK® AD-H column (250 × 4.6 mm, 5 µm) from Daicel Chemical Industries, Ltd. (Cedex, France). An isocratic mobile phase consisting of 9:1, 2-propanol: *n*-hexane was used. Powdered AL-LAD and LSZ, and LSZ reference material was dissolved individually in the isocratic mobile phase and diluted to a final concentration of 0.1 mg/mL. LSZ blotter was dissolved and extracted into the isocratic mobile phase following the procedure described in the manuscript. Injection volume was 10 µL, flow rate was 0.3 mL/min, and the column temperature was set at 25 °C. The total run time was 30 minutes.

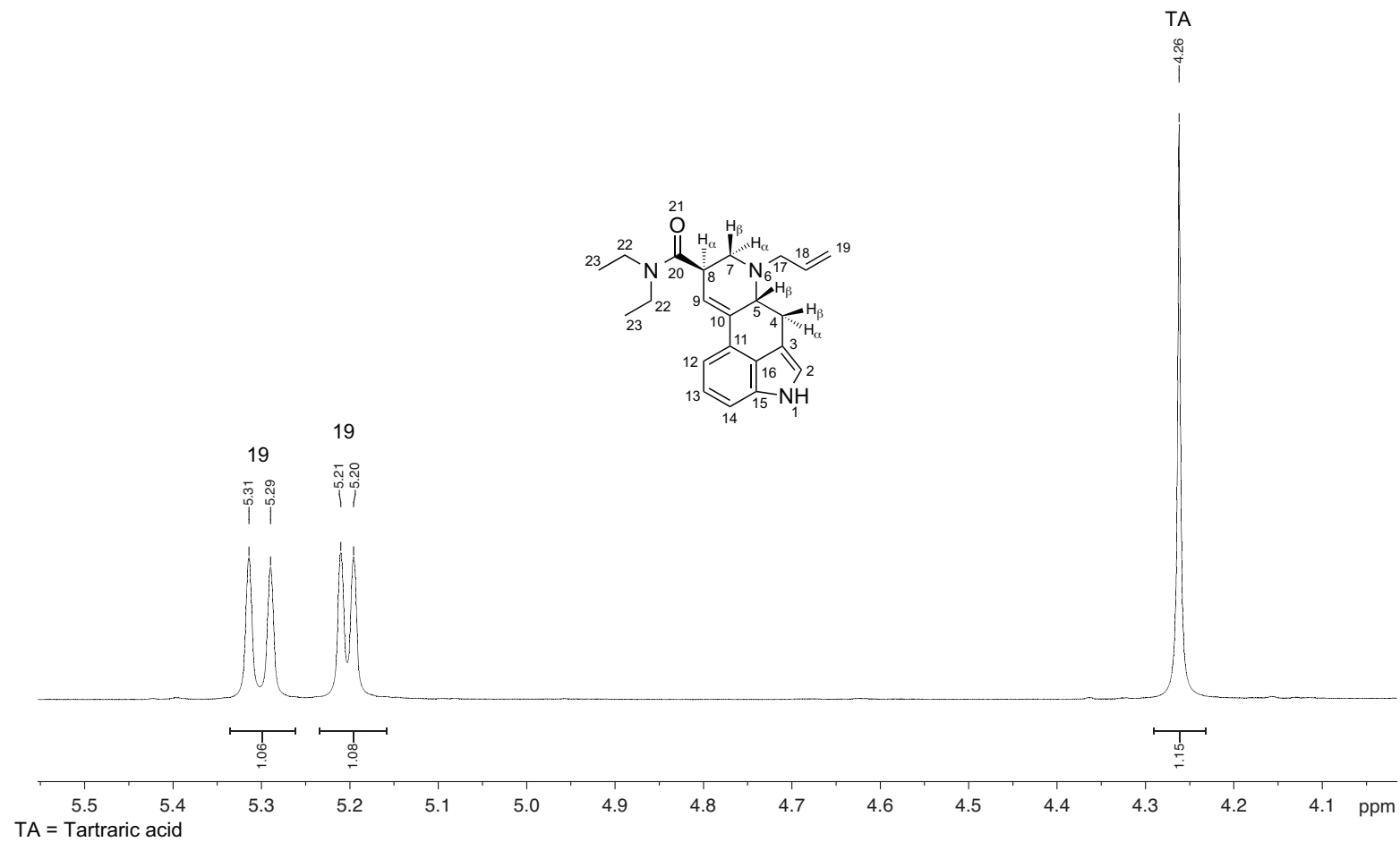
AL-LAD hemitartrate
¹H-NMR (700 MHz)
 d₆-DMSO



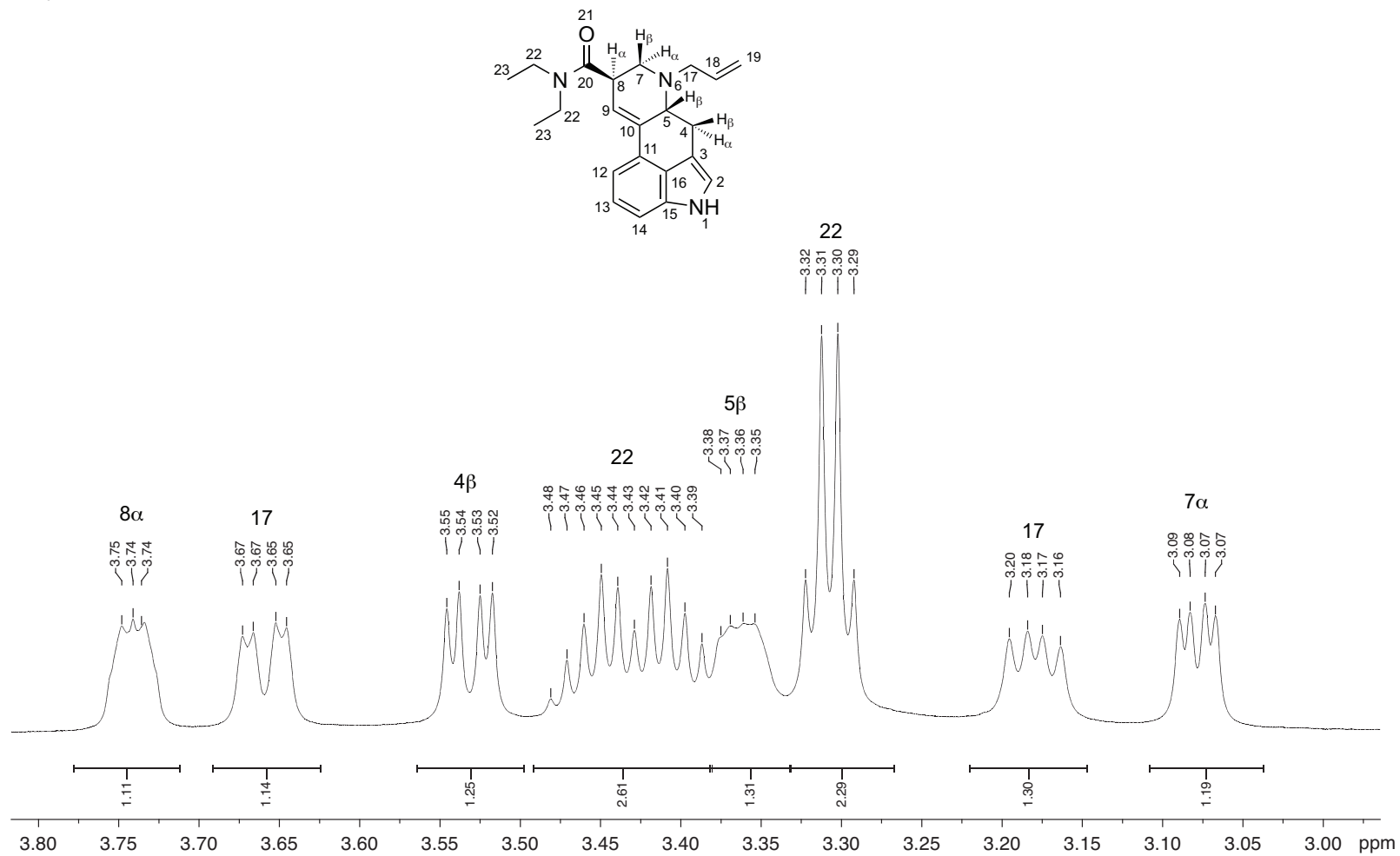
AL-LAD hemitartrate
¹H-NMR (700 MHz)
 d₆-DMSO



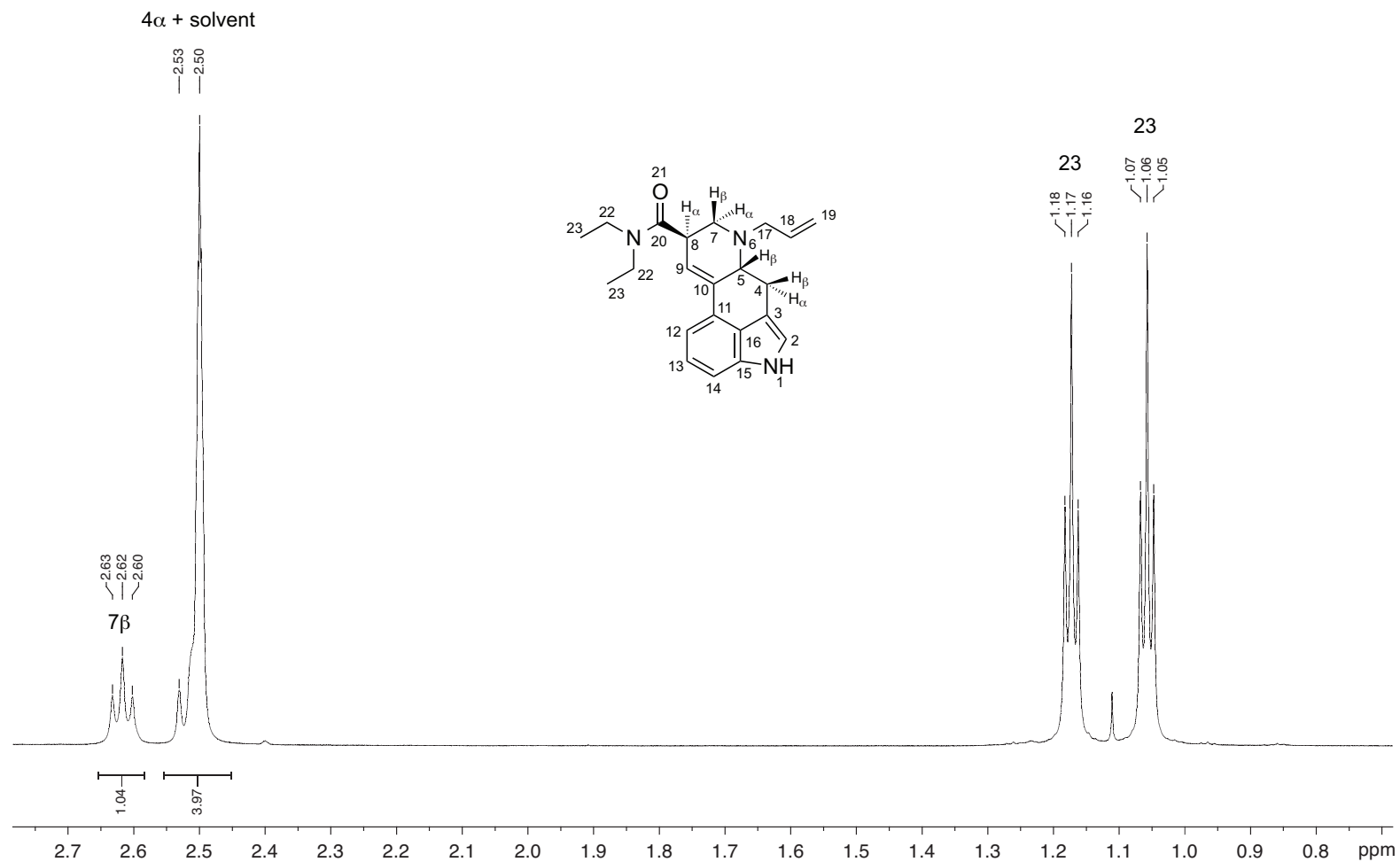
AL-LAD hemitartrate
¹H-NMR (700 MHz)
 d₆-DMSO



AL-LAD hemitartrate
¹H-NMR (700 MHz)
 d₆-DMSO

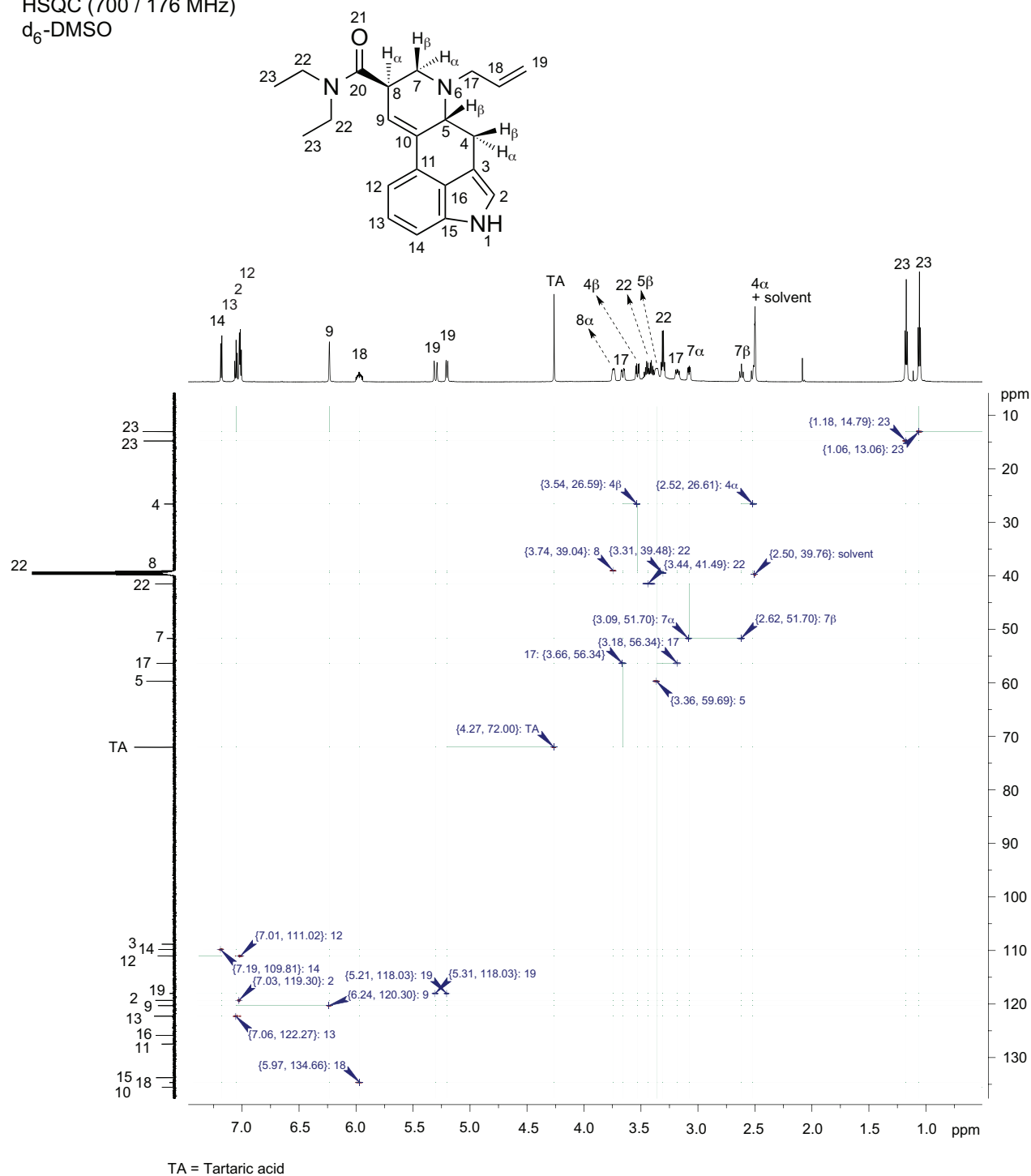


AL-LAD hemitartrate
¹H-NMR (700 MHz)
 d₆-DMSO

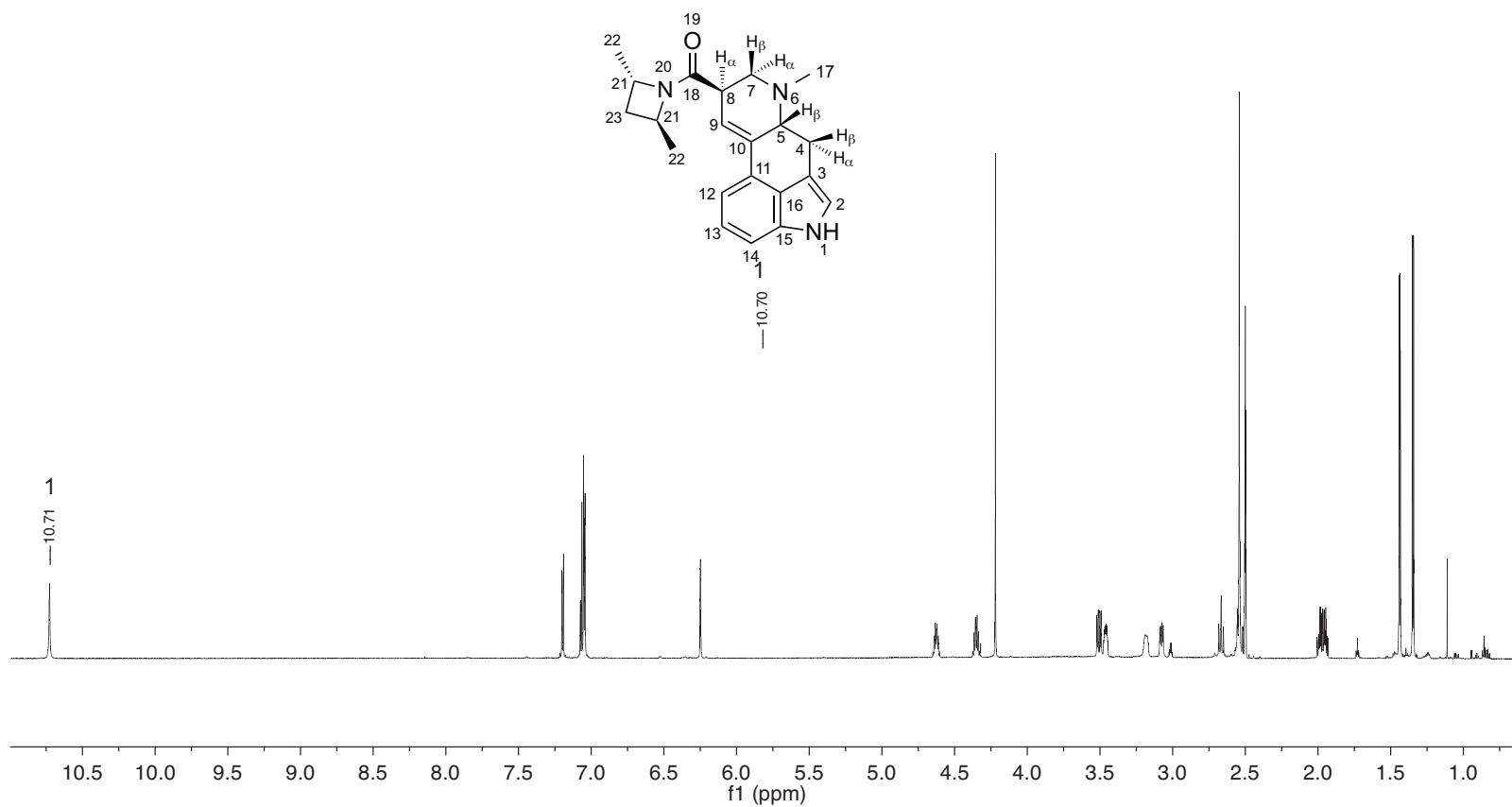




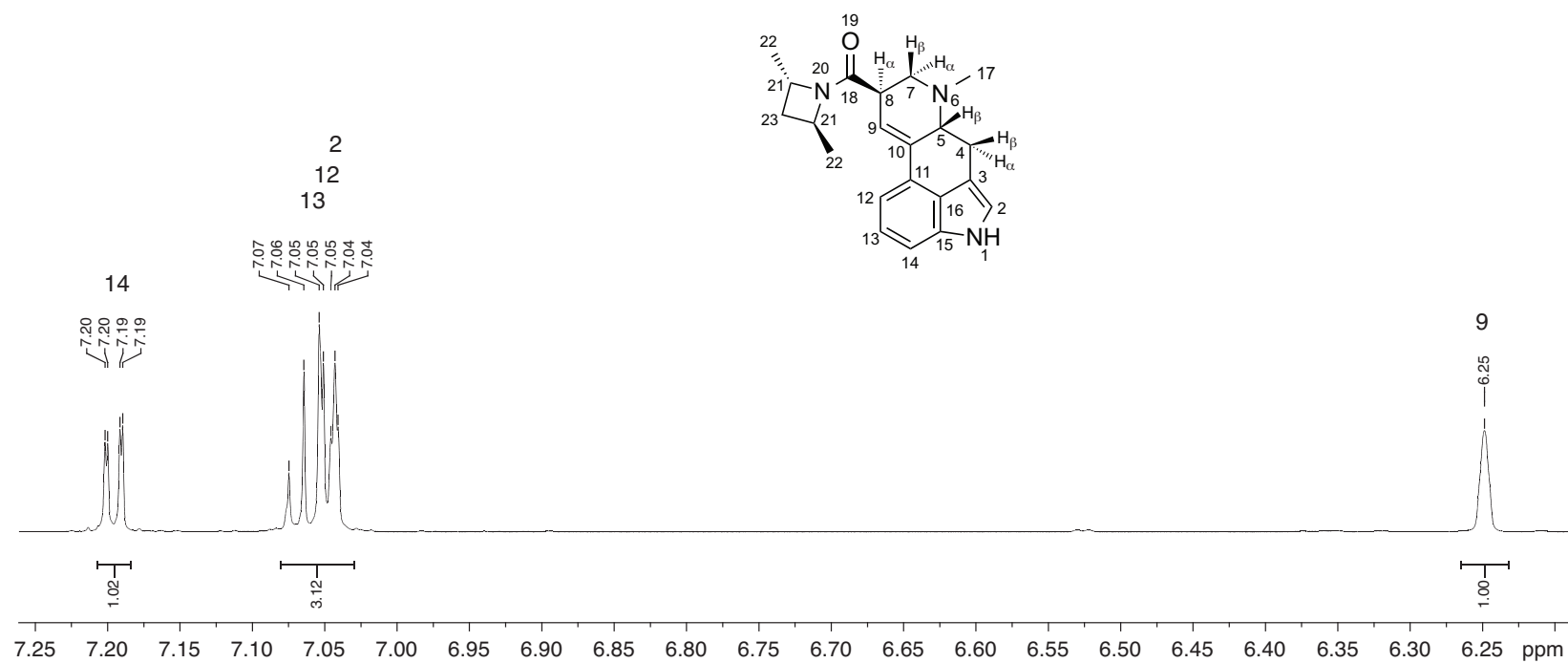
AL-LAD hemitartrate
HSQC (700 / 176 MHz)
d₆-DMSO



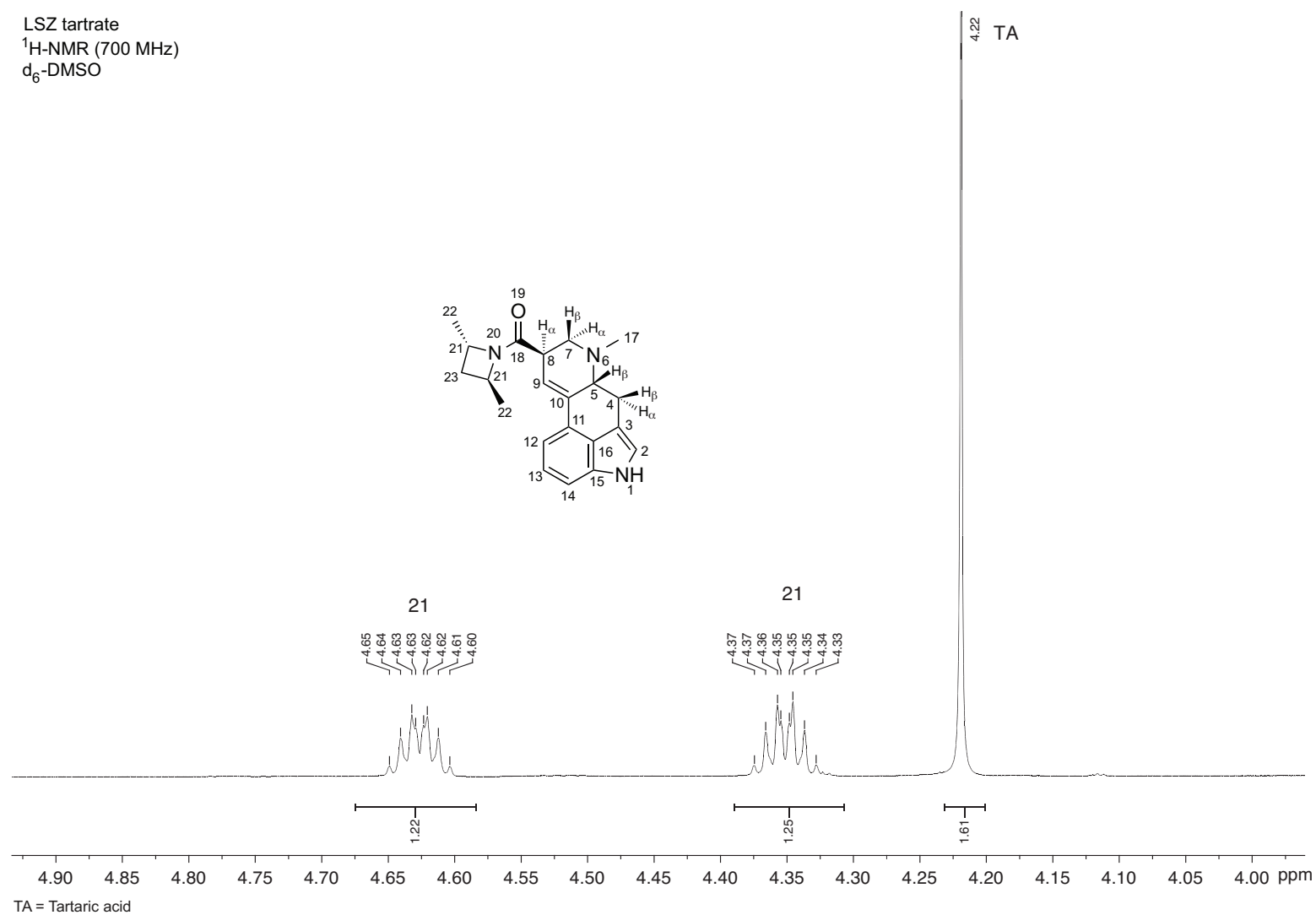
LSZ tartrate
¹H-NMR (700 MHz)
 d₆-DMSO



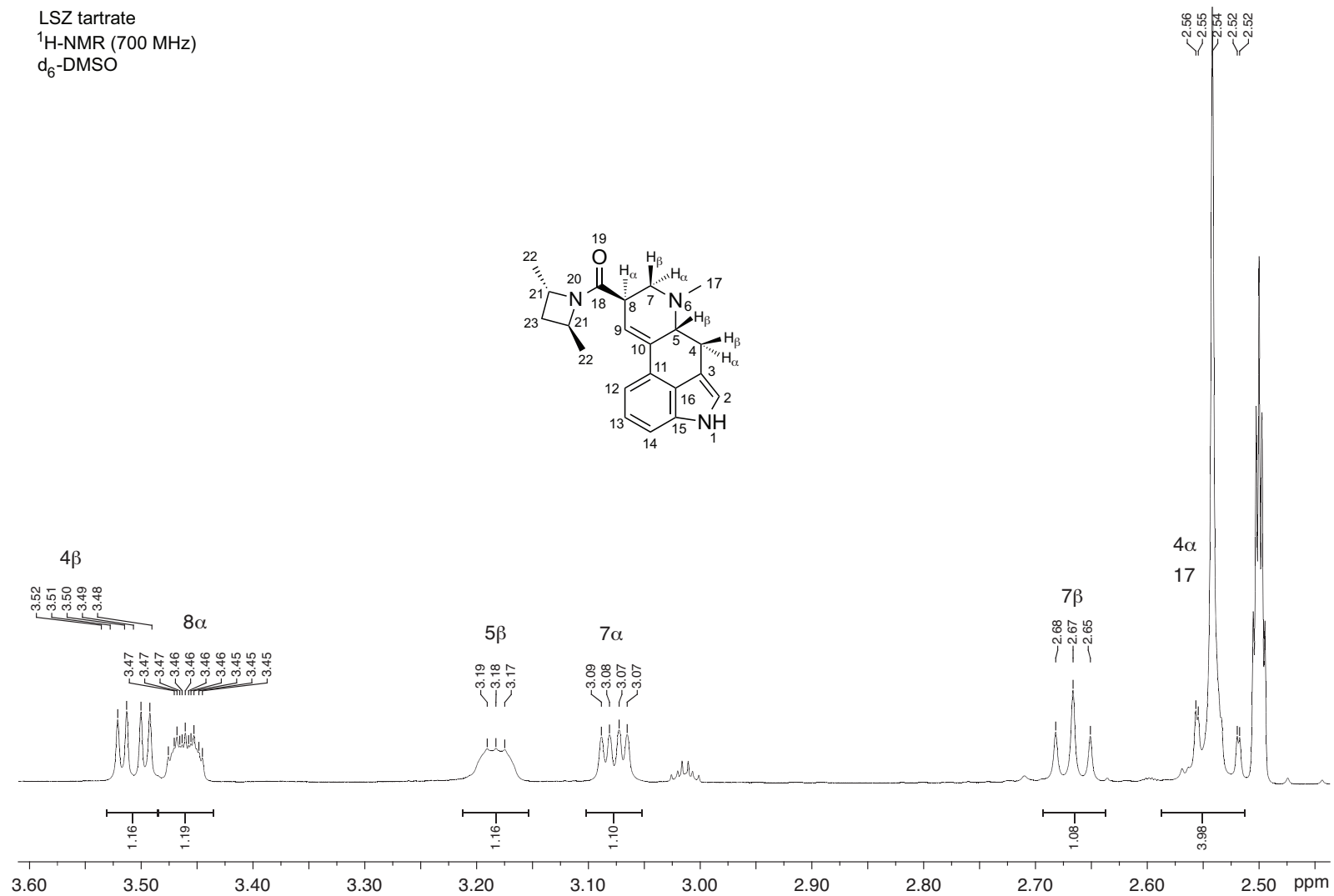
LSZ tartrate
¹H-NMR (700 MHz)
 d₆-DMSO



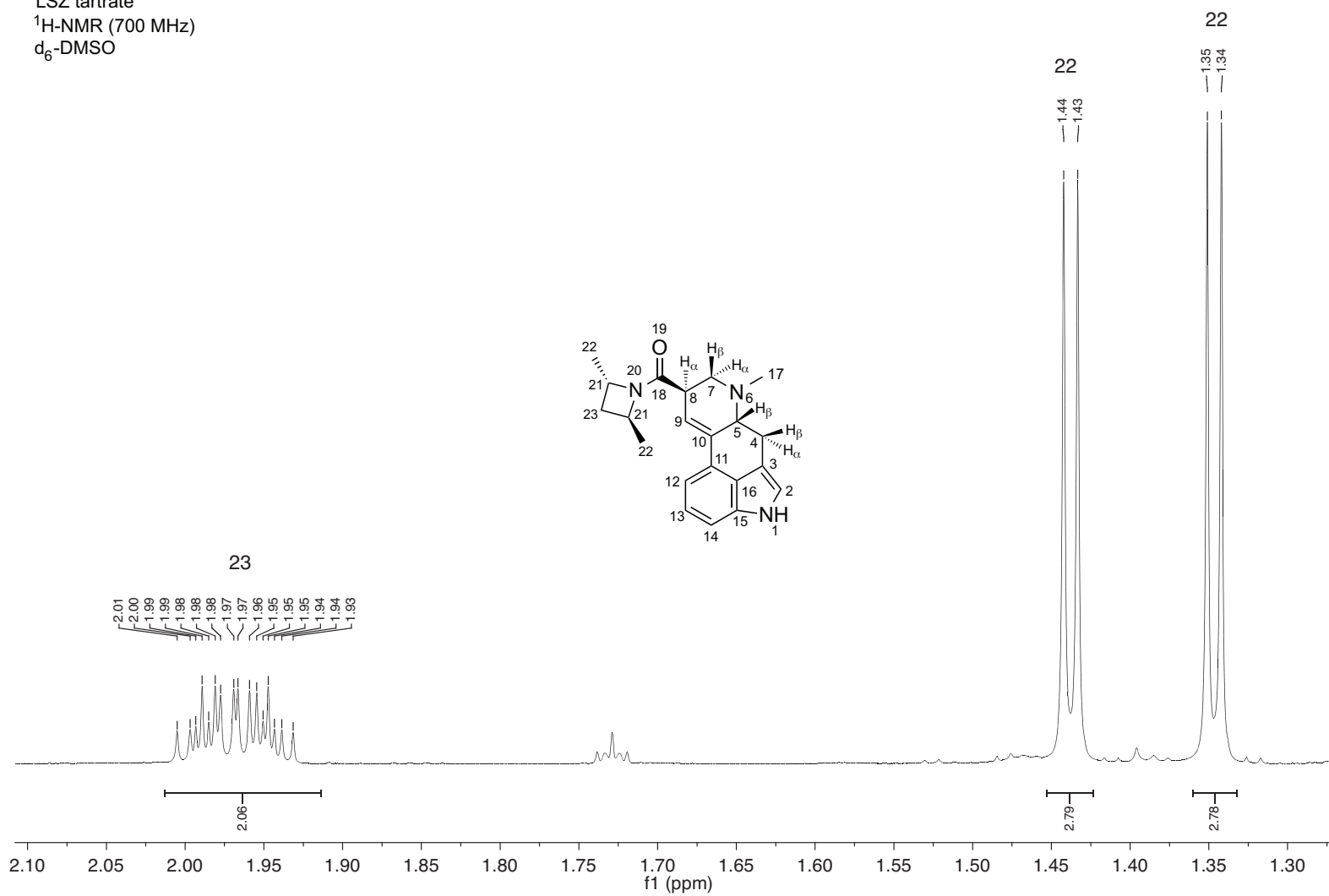
LSZ tartrate
¹H-NMR (700 MHz)
 d₆-DMSO



LSZ tartrate
¹H-NMR (700 MHz)
 d₆-DMSO



LSZ tartrate
¹H-NMR (700 MHz)
 d₆-DMSO



LSZ tartrate
 ^{13}C -NMR (176 MHz)
 d_6 -DMSO

