

Name:	3-Hydroxy-3-methylpentanoic Acid-D5 (HMPA-D5)
Lot#:	GR-16-061
Test Date:	07/21/2021 (re-test date: 07/21/2026)
CAS No.:	150-96-9 (unlabelled)
MF:	C ₆ H ₇ D ₅ O ₃
MW:	137.19
Appearance:	Colorless oil
Purity:	>97% by NMR; 99% atom D (based on D content of 2-Butanone-D5 from Sigma)
¹H-NMR:	Conforms (contains a trace of DCM and 0.56% Acetone)
MS-ESI (-)	Conforms (shows peak at m/z = 136.10 [M-H] ⁻)
Storage	Store at 0-5°C in a dry place away from direct sunlight

Approved by:

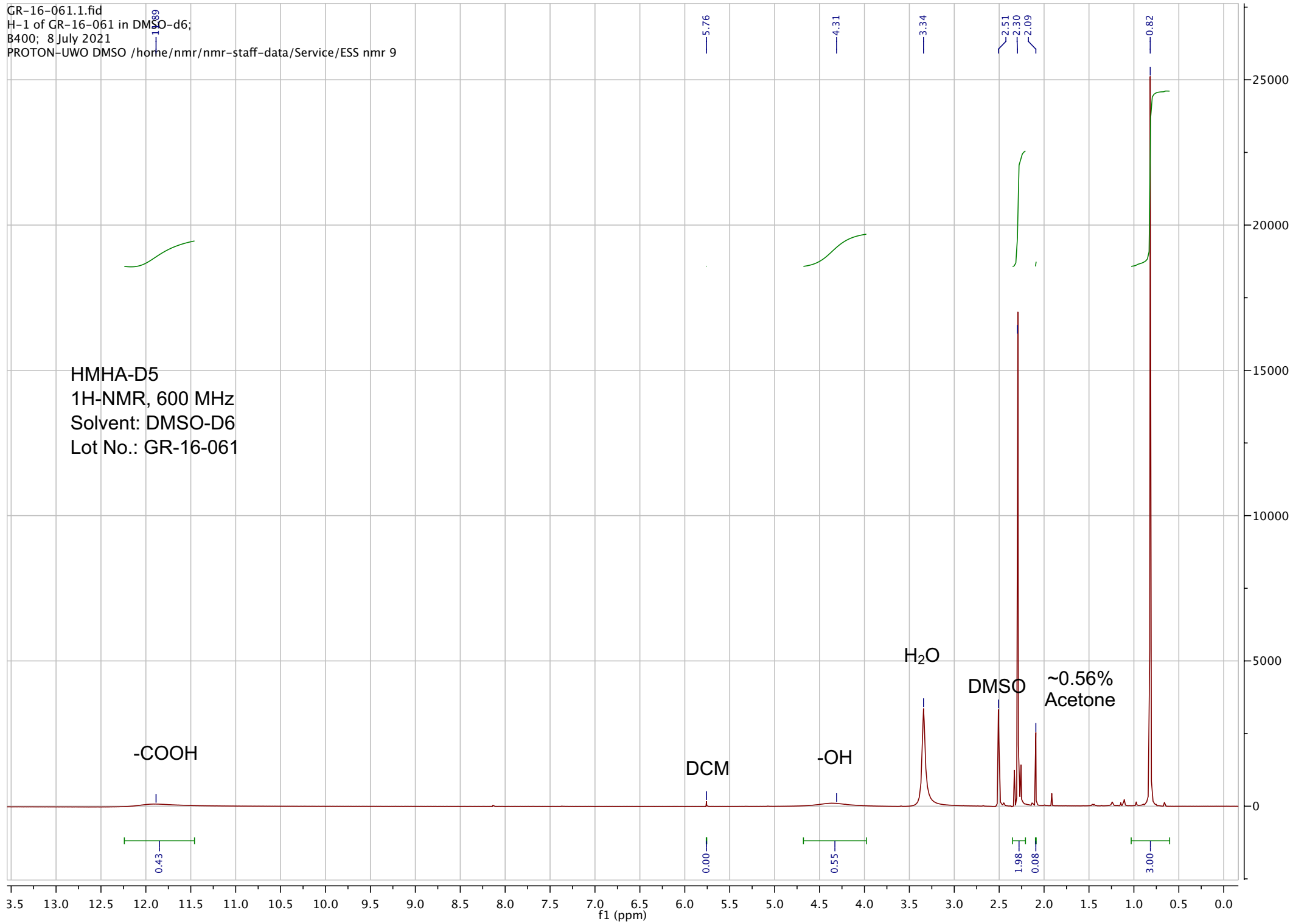
Date: 07/28/2021



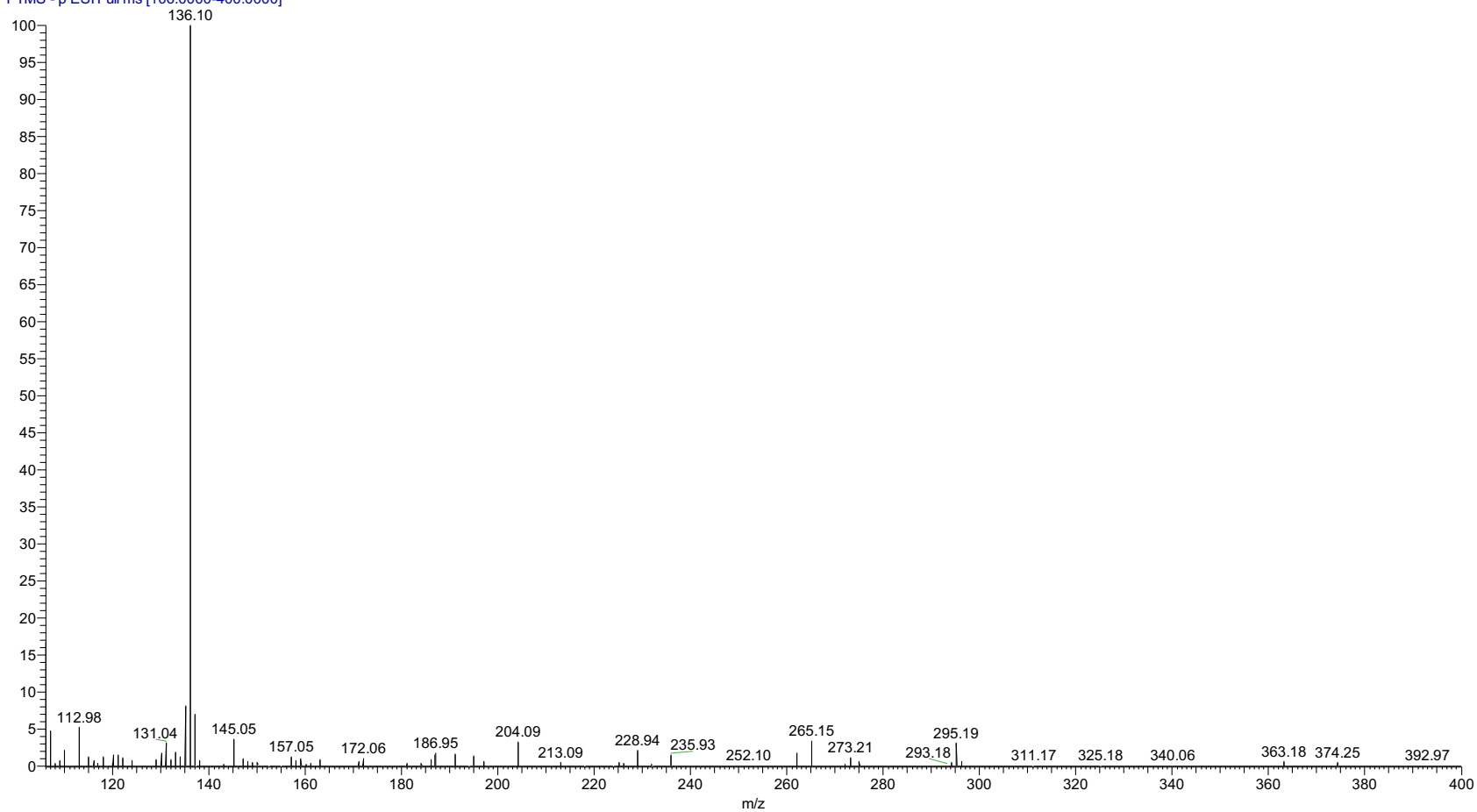
Viorica Rusu, QC/QA Manager

GR-16-061.1.fid
H-1 of GR-16-061 in DMSO-d6;
B400; 8 July 2021
PROTON-UWO DMSO /home/nmr/nmr-staff-data/Service/ESS nmr 9

HMHA-D5
1H-NMR, 600 MHz
Solvent: DMSO-D6
Lot No.: GR-16-061

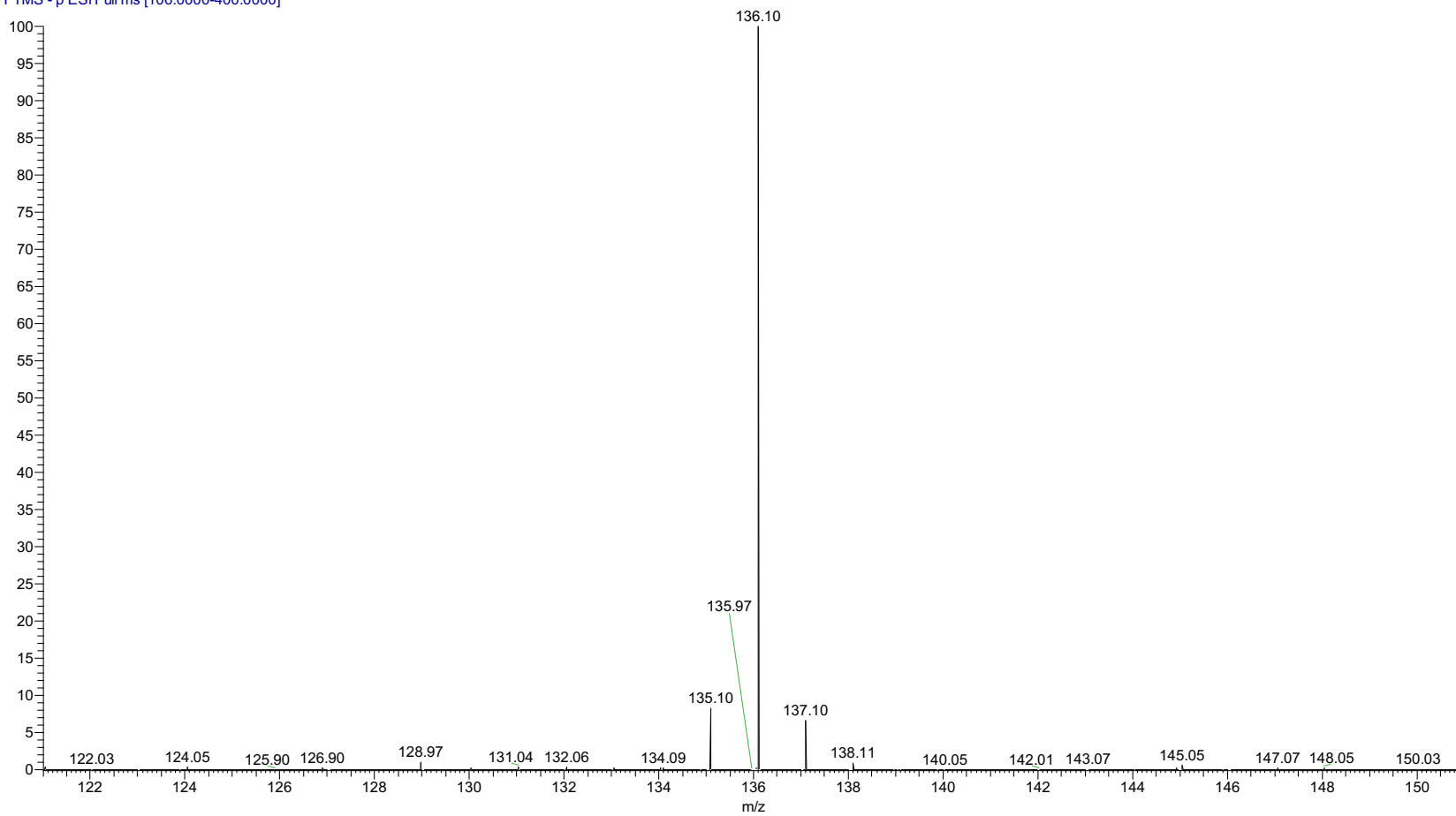


pp_2021_027_GR_16_061_1#620 RT: 1.39 AV: 1 NL: 1.37E8
T: FTMS - p ESI Full ms [106.0000-400.0000]



Raw ESI-MS spectrum for sample GR-16-061. Shows monoisotopic [M-H] mass.

pp_2021_027_GR_16_061_1#619 RT: 1.39 AV: 1 NL: 1.78E8
T: FTMS - p ESI Full ms [106.0000-400.0000]



Expansion of above showing range of +/- 15 Da.