

<b>Name:</b>	<b>3-Hydroxy-3-methylhexanoic Acid-D5</b> (HMHA-D5)
<b>Lot#:</b>	GR-16-109
<b>Test Date:</b>	08/18/2021 (re-test date: 08/18/2026)
<b>CAS No.:</b>	58888-76-9 (unlabelled)
<b>MF:</b>	C <sub>7</sub> H <sub>9</sub> D <sub>5</sub> O <sub>3</sub>
<b>MW:</b>	151.21
<b>Appearance:</b>	Pale yellow oil
<b>Purity:</b>	>95% by NMR; 98.4% atom D (based on D content of 2-Pentanone-D5 from CDN Isotopes)
<b><sup>1</sup>H-NMR:</b>	Conforms (contains a trace of DCM)
<b>MS-ESI (-)</b>	Conforms (shows peak at m/z = 150.12 [M-H] <sup>-</sup> )
<b>Storage</b>	Store at 0-5°C in a dry place away from direct sunlight

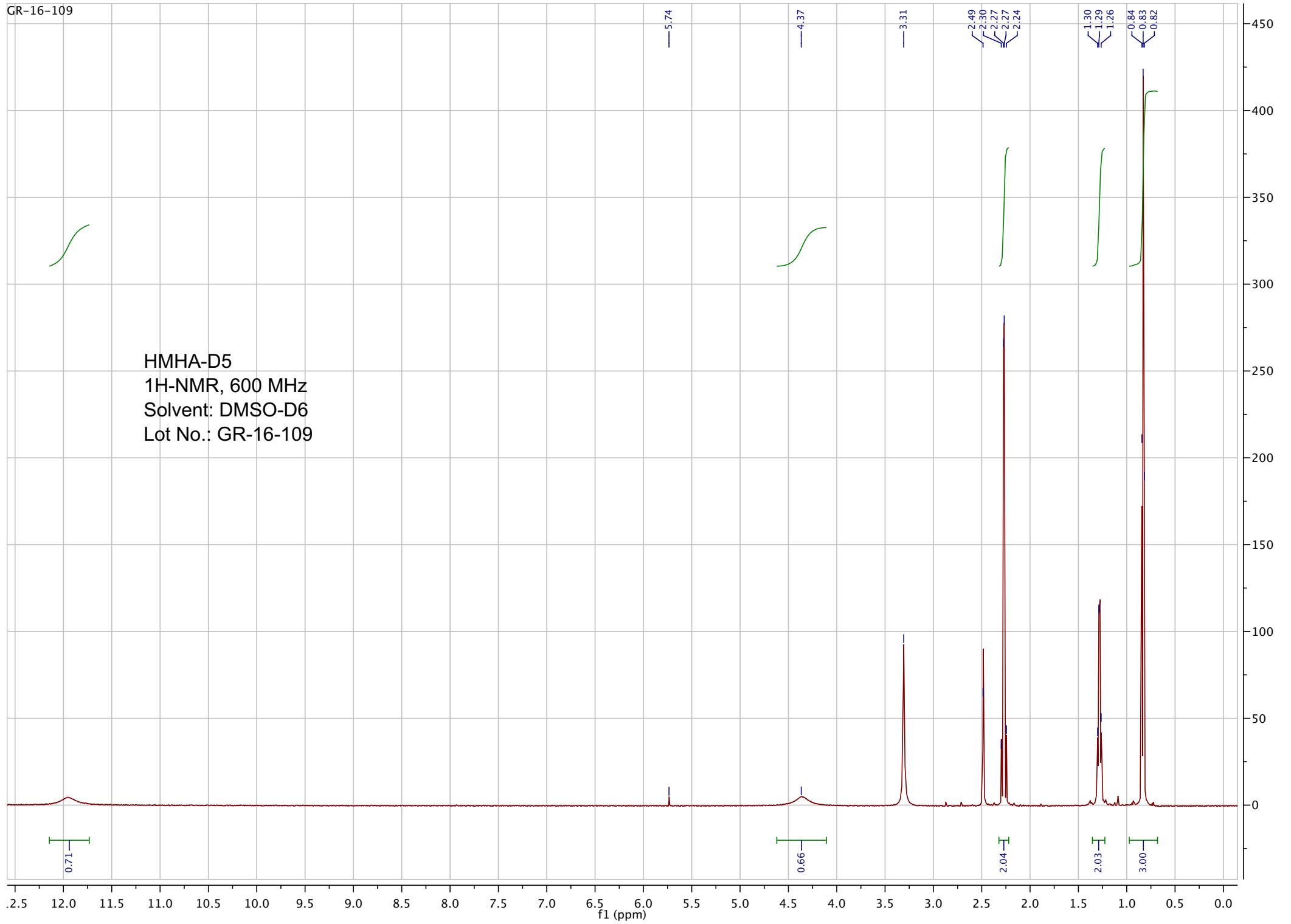
Approved by:

Date: 08/20/2021

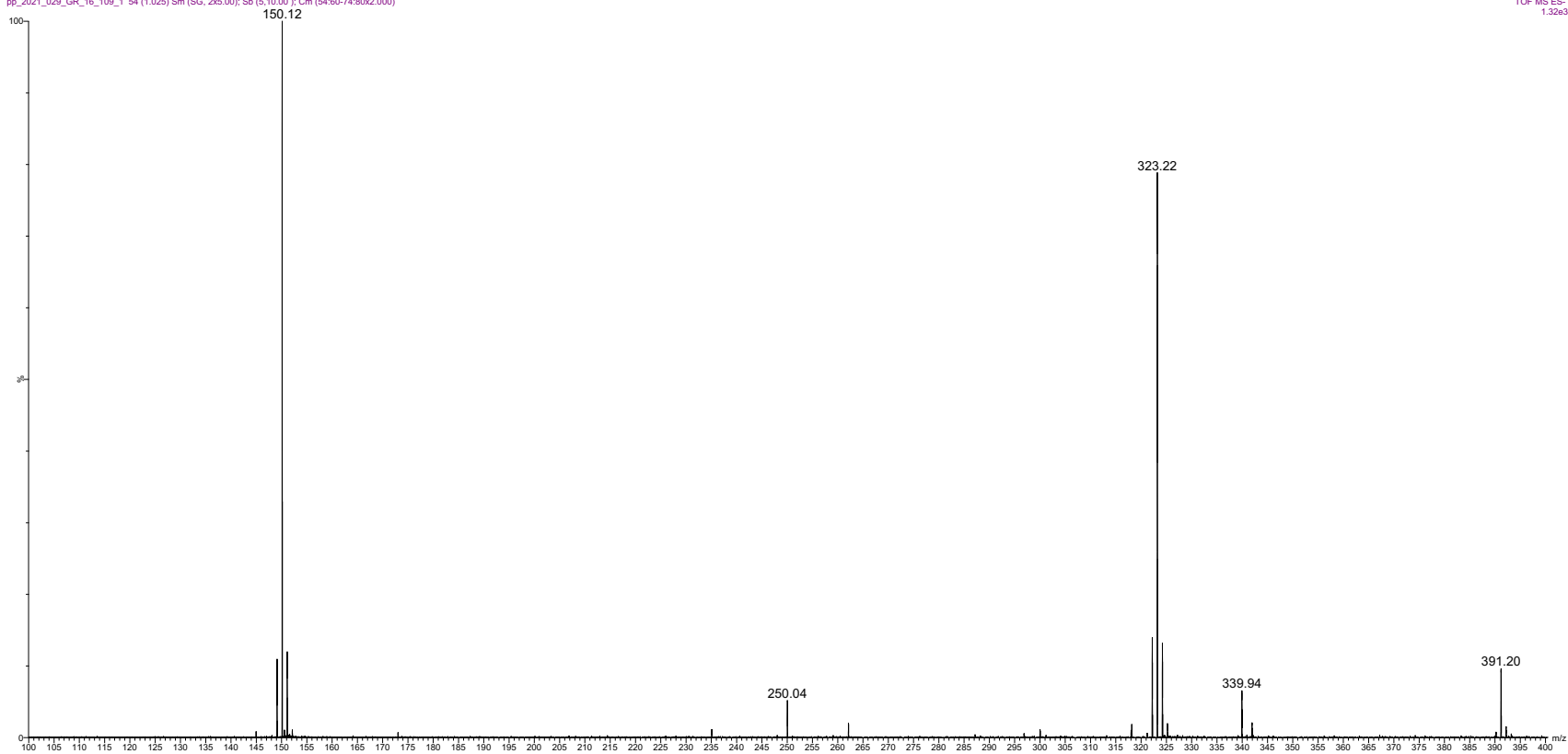


Viorica Rusu, QC/QA Manager

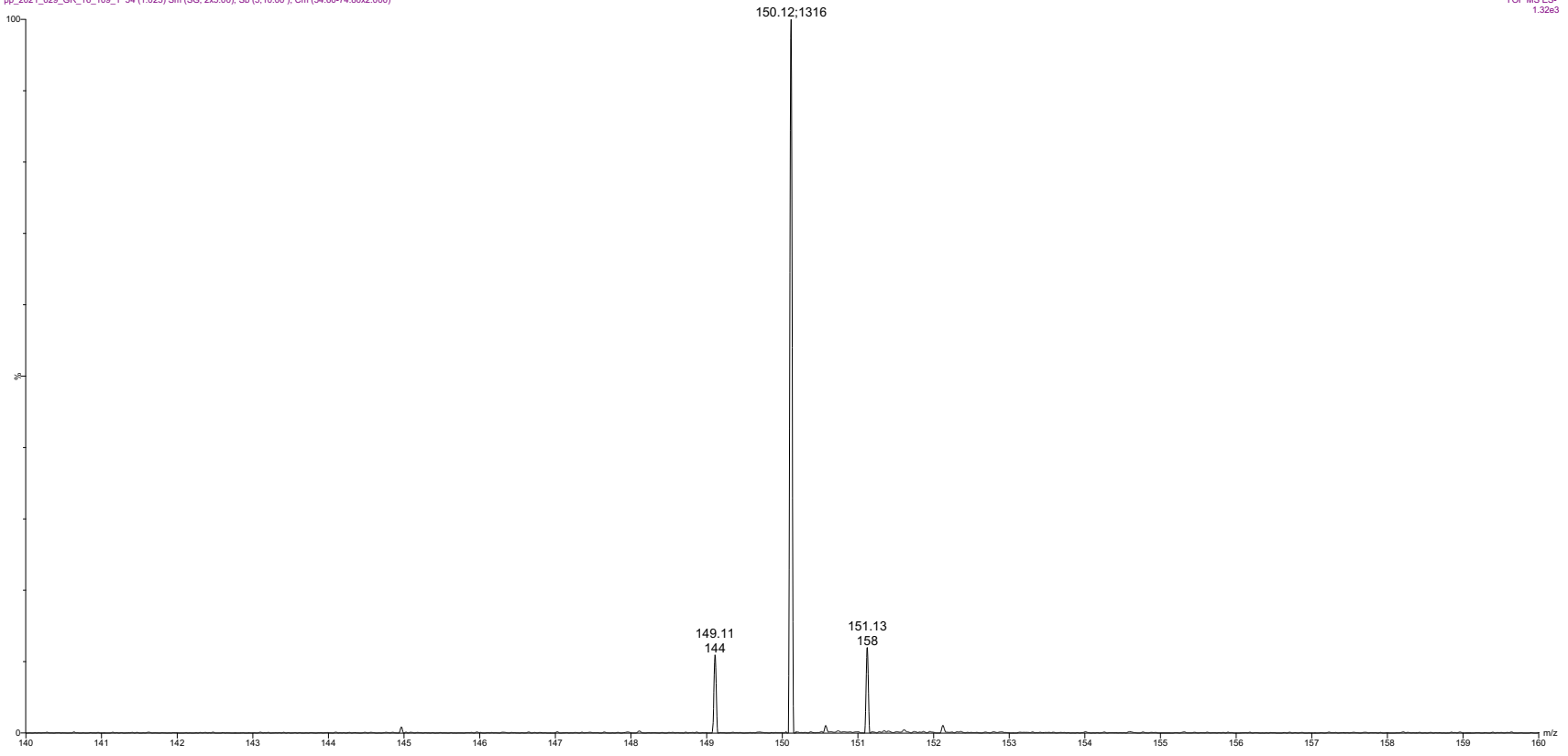
HMHA-D5  
1H-NMR, 600 MHz  
Solvent: DMSO-D6  
Lot No.: GR-16-109



pp\_2021\_029\_GR\_16\_109\_1 54 (1.025) Sm (SG, 2x5.00); Sb (5,10.00); Cm (64:60-74:80x2.000)



ESI-MS spectrum for sample GR-16-109. Shows monoisotopic [M-H]<sup>-</sup> mass.



Expansion of above (140 to 160 m/z) showing intensity for each peak.