

Parameter	Value
1 Title	10582-0005-qNMR-CDCI3-30-Oct-2025.10.fid
2 Comment	rynmr500c h-1 quantitative
3 Origin	Bruker BioSpin GmbH
4 Owner	ProcessNMR
5 Instrument	spect
6 Solvent	CDCl3
7 Temperature	300.0
8 Pulse Sequence	zg30
9 Experiment	1D
10 Probe	Z113652_0231 (PA BBO 500S2 BBF-H-D-05 Z SP)
11 Number of Scans	4
12 Receiver Gain	69.6
13 Relaxation Delay	60.0000
14 Pulse Width	10.0000
15 Acquisition Time	2.5166
16 Acquisition Date	2025-10-30T16:07:52
17 Modification Date	2025-10-30T16:08:01
18 Spectrometer Frequency	500.13
19 Spectral Width	13020.8
20 Lowest Frequency	-3434.0
21 Nucleus	1H
22 Acquired Size	32768
23 Spectral Size	131072
24 Digital Resolution	0.10

$$\text{purity} = \frac{\frac{30.1 \text{ mg} \times 99\%}{168.19 \text{ g/mol}} \times \frac{4.63}{2} \times 152.98 \text{ g/mol}}{63.8 \text{ mg}} = 98.3\%$$

