MAGNETIC RESONANCE
SPECTROSCOPY
METHODOLOGY
METROLOGY

NMR-ESPY

16:59:22
28-05-2021

Description

50mM cyclosporin in Benzene-d6 (Example 1)

Experiment Information

Sweep Width (Hz)	5494.51
Sweep Width (ppm)	10.9861
Transmitter Offset (Hz)	2249.21
Transmitter Offset (ppm)	4.49722
Transmitter Frequency (MHz)	500.132
Basic Frequency (MHz)	500.13
Nucleus	^{1}H
Filter region (Hz):	2644.19 - 2593.21
Filter region (ppm):	5.28697 - 5.18505

Result

m	a_m	ϕ_m (rad)	f_m (Hz)	f_m (ppm)	η_m (s^{-1})	$\int$	$\int/\|\int\|$
1	1.5945×10^4	0.029904	2.6019×10^3	5.2023	7.371	1.4467×10^9	0.274
	$\pm$ 80.299	$\pm$ 9.0154×10^{-3}	$\pm$ 9.4141×10^{-3}	$\pm$ 1.8823×10^{-5}	$\pm$ 0.043436	-	-
2	3.2978×10^4	6.343×10^{-3}	2.6093×10^3	5.2172	6.7376	3.023×10^9	0.57253
	$\pm$ 206.9	$\pm$ 3.5484×10^{-3}	$\pm$ 2.1995×10^{-3}	$\pm$ 4.3979×10^{-6}	$\pm$ 0.034551	-	-
3	1.5949×10^4	8.2753×10^{-3}	2.6116×10^3	5.2218	7.4847	1.4446×10^9	0.27359
	$\pm$ 308.45	$\pm$ 0.012671	$\pm$ 8.2016×10^{-3}	$\pm$ 1.6399×10^{-5}	$\pm$ 0.093504	-	-

4	1.9198×10^{4}	8.7189×10^{-4}	2.6167×10^{3}	5.2319	8.4204	1.7155×10^{9}	0.32489
	$\pm$ 199.66	$\pm$ 9.4538×10^{-3}	$\pm$ 0.011157	$\pm$ 2.2309×10^{-5}	$\pm$ 0.070405	-	-
5	2.9948×10^{4}	-3.8286×10^{-3}	2.619×10^{3}	5.2366	6.3228	2.765×10^{9}	0.52367
	$\pm$ 205.49	$\pm$ 6.0139×10^{-3}	$\pm$ 4.5162×10^{-3}	$\pm$ 9.0299×10^{-6}	$\pm$ 0.034655	-	-
6	708.57	3.7992×10^{-3}	2.6219×10^{3}	5.2424	5.6154	6.6293×10^{7}	0.012555
	$\pm$ 122.71	$\pm$ 9.0038×10^{-3}	$\pm$ 0.074974	$\pm$ 1.4991×10^{-4}	$\pm$ 0.82271	-	-
7	2.1844×10^{4}	-9.6734×10^{-3}	2.6262×10^{3}	5.2509	8.6988	1.9445×10^{9}	0.36827
	$\pm$ 111.5	$\pm$ 5.0574×10^{-3}	$\pm$ 6.8436×10^{-3}	$\pm$ 1.3684×10^{-5}	$\pm$ 0.050882	-	-
8	673.59	3.4037×10^{-3}	2.6299×10^{3}	5.2584	5.2998	6.3426×10^{7}	0.012012
	$\pm$ 76.526	$\pm$ 5.3405×10^{-3}	$\pm$ 0.068378	$\pm$ 1.3672×10^{-4}	$\pm$ 0.63093	-	-
9	4.6997×10^{3}	-2.8134×10^{-3}	2.6365×10^{3}	5.2715	7.0852	4.2836×10^{8}	0.081127
	$\pm$ 59.003	$\pm$ 4.1243×10^{-3}	$\pm$ 0.014385	$\pm$ 2.8763×10^{-5}	$\pm$ 0.11783	-	-

Estimation performed using NMR-EsPy.
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For more information:


https://nmr-espy.readthedocs.io/en/1.0.0rc1/


https://github.com/foroozandehgroup/NMR-EsPy


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If used in a publication, please cite:
No references yet...