MAGNETIC RESONANCE
SPECTROSCOPY
METHODOLOGY
METROLOGY

NMR-ESPY

15:09:18
02-06-2021

Description

1mM artemisinin in DMSO-d6

Experiment Information

Sweep Width (Hz)	10000
Sweep Width (ppm)	19.9947
Transmitter Offset (Hz)	2000.52
Transmitter Offset (ppm)	3.99998
Transmitter Frequency (MHz)	500.132
Basic Frequency (MHz)	500.13
Nucleus	^{1}H
Filter region (Hz):	880.279 - 800.169
Filter region (ppm):	1.76009 - 1.59992

Result

m	a_m	ϕ_m (rad)	f_m (Hz)	f_m (ppm)	η_m (s^{-1})	$\int$	$\int/\|\int\|$
1	16.681	0.015795	807.82	1.6152	4.9977	3.3695×10^{6}	0.08782
	$\pm$ 0.89579	$\pm$ 0.019068	$\pm$ 0.037212	$\pm 7.4405 \times 10^{-5}$	$\pm$ 0.32596	-	-
2	67.07	0.045449	811.03	1.6216	6.5735	1.3166×10^{7}	0.34313
	$\pm$ 1.8474	$\pm$ 0.019443	$\pm 2.0545 \times 10^{-3}$	$\pm 4.1079 \times 10^{-6}$	$\pm$ 0.18459	-	-
3	76.414	-3.2041×10^{-3}	814.57	1.6287	7.5773	1.4774×10^{7}	0.38505
	$\pm$ 1.6315	$\pm$ 0.027053	$\pm$ 0.028692	$\pm 5.7369 \times 10^{-5}$	$\pm$ 0.18694	-	-

4	11.563	3.7031×10^{-3}	818.05	1.6357	4.6372	2.3537×10^{6}	0.061346
	± 1.46	± 0.025076	± 0.043288	$\pm 8.6553 \times 10^{-5}$	± 0.66778	-	-
5	14.441	5.7888×10^{-3}	820.95	1.6415	4.1168	2.9754×10^{6}	0.077549
	± 1.3459	± 0.023078	± 0.033833	$\pm 6.7648 \times 10^{-5}$	± 0.38146	-	-
6	58.855	-5.6334×10^{-3}	824.28	1.6481	5.7486	1.1717×10^{7}	0.30539
	± 1.5407	± 0.031273	± 0.026023	$\pm 5.2032 \times 10^{-5}$	± 0.16307	-	-
7	68.08	-0.0393	827.82	1.6552	7.2221	1.3231×10^{7}	0.34483
	± 1.9824	± 0.017538	± 0.024295	$\pm 4.8577 \times 10^{-5}$	± 0.20871	-	-
8	19.242	-0.012505	831.12	1.6618	5.237	3.8681×10^{6}	0.10082
	± 1.1248	± 0.019087	± 0.040622	$\pm 8.1223 \times 10^{-5}$	± 0.32316	-	-
9	20.86	7.7486×10^{-3}	849.94	1.6994	5.6121	4.1634×10^{6}	0.10851
	± 0.69477	± 0.021004	± 0.031513	$\pm 6.301 \times 10^{-5}$	± 0.29827	-	-
10	67.232	0.032831	853.54	1.7066	6.7405	1.3162×10^{7}	0.34305
	± 2.0976	± 0.023844	± 0.015826	$\pm 3.1643 \times 10^{-5}$	± 0.05897	-	-
11	72.527	8.0942×10^{-3}	857.18	1.7139	7.2384	1.4091×10^{7}	0.36727
	± 1.8987	± 0.08117	± 0.071891	$\pm 1.4374 \times 10^{-4}$	± 0.071923	-	-
12	13.812	2.0583×10^{-3}	860.71	1.721	3.8949	2.8617×10^{6}	0.074584
	± 1.7062	± 0.031668	± 0.029039	$\pm 5.8062 \times 10^{-5}$	± 0.13354	-	-
13	15.293	-0.012568	863.04	1.7256	4.4165	3.1284×10^{6}	0.081537
	± 2.4569	± 0.017317	± 0.047125	$\pm 9.4225 \times 10^{-5}$	± 0.2209	-	-
14	61.067	5.4806×10^{-3}	866.74	1.733	7.2271	1.1867×10^{7}	0.30928
	± 0.92816	± 0.10143	± 0.092213	$\pm 1.8438 \times 10^{-4}$	± 0.20343	-	-
15	63.004	-0.040324	870.56	1.7407	6.501	1.2382×10^{7}	0.32271
	± 1.7149	± 0.018116	± 0.018556	$\pm 3.7102 \times 10^{-5}$	± 0.099121	-	-
16	26.396	-0.0236	874.04	1.7476	7.3302	5.1215×10^{6}	0.13348
	± 1.364	± 0.016174	± 0.047288	$\pm 9.4551 \times 10^{-5}$	± 0.4406	-	-

Estimation performed using NMR-EsPy.
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For more information:


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


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


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No references yet...