

Table 1: MRI Drug study - Scan set 1

Scale: Structured =light = higher L value; Free = low L value

<u>Compound</u>	<u>Solvent</u>	<u>Dosage</u>	<u>Molarity</u>	<u>LValue</u>	<u>Position</u>
Tartaric acid	PVOh	1000	1.4×10^{-3}	66.46	9
Caffeine	PVOh	200	2.2×10^{-4}	66.37	21
Vitamin C	PVOh	250	3.0×10^{-4}	66.22	11
Vitamin C	PVOh	60	7.1×10^{-5}	66.11	4
Vitamin C	PVOh	500	5.9×10^{-4}	66.06	17
Vitamin C	PVOh	1000	1.2×10^{-3}	65.04	23
Tartaric acid	PVOh	500	7.0×10^{-4}	64.97	2
Caffeine	PVOh	50	5.4×10^{-5}	64.01	15
Citric acid	PVOh	500	5.5×10^{-4}	55.23	19
Citric acid	PVOh	60	6.5×10^{-5}	53.39	6
Vitamin C	water	1000	1.2×10^{-3}	52.36	22
Citric acid	PVOh	1000	1.1×10^{-3}	49.86	25
Citric acid	water	500	5.5×10^{-4}	49.51	18
Vitamin C	water	500	5.9×10^{-4}	49.08	16
Vitamin C	water	60	7.1×10^{-5}	48.03	3
Vitamin C	water	250	3.0×10^{-4}	47.83	10
Citric acid	water	1000	1.1×10^{-3}	46.63	24
Citric acid	water	60	6.5×10^{-5}	45.82	5
Citric acid	PVOh	250	2.7×10^{-4}	45.51	13
Pure water			55	43.45	12
Caffeine	water	200	2.2×10^{-4}	40.70	20
Pure PVOh			48.9	37.87	7
Tartaric acid	water	1000	1.4×10^{-3}	36.86	8
Caffeine	water	50	5.4×10^{-5}	33.32	14
Tartaric acid	water	500	7.0×10^{-4}	33.13	1
Water index			55	29.49	Index

Background = 25.52

Clear Background = 66.06