

Table 5: MRI Drug study – Combined Scan sets 1 - 4

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

Compound	Solvent	Dosage	Molarity	L Value	Position	Scan
Tartaric acid	PVOh	1000		66.46	9	1
Caffeine	PVOh	200		66.37	21	1
Vitamin C	PVOh	250		66.22	11	1
Vitamin C	PVOh	60		66.11	4	1
Vitamin C	PVOh	500		66.06	17	1
Sucrose	PVOh	.0005M	5.0 x 10 ⁻⁴	65.97	16	3
Sucrose	PVOh	.001M	1.0 x 10 ⁻³	65.82	17	3
Vitamin C	PVOh	1000		65.04	23	1
Pure PVOh	PVOh		48.9	65.03	3	4
Citric acid	PVOh	.0005M	5.0 x 10 ⁻⁴	65.02	10	2
Tartaric acid	PVOh	500		64.97	2	1
Celebrex	PVOh	.001M	1.0 x 10 ⁻³	64.64	15	3
Progesterone	PVOh	.0005M	5.0 x 10 ⁻⁴	64.52	21	4
Cytoxan	PVOh	dose 50		64.44	11	4
Acetomenophen-PVOh		650		64.43	11	2
Acetomenophen-PVOh		1000		64.13	17	2
Caffeine	PVOh	50		64.01	15	1
Caffeine	PVOh	.0005M	5.0 x 10 ⁻⁴	63.92	16	2
Dextrose	PVOh	.0005M	5.0 x 10 ⁻⁴	63.57	18	3
Cytoxan	PVOh	.0005M	5.0 x 10 ⁻⁴	63.26	17	4
Fluoxetine	PVOh	60		62.89	21	2
Acetomenophen-PVOh		.0005M	5.0 x 10 ⁻⁴	62.39	22	2
Ibuprophen	PVOh	.0005M	5.0 x 10 ⁻⁴	62.21	23	2
Pure PVOh	PVOh		48.9	58.75	3	3
PVOh-glass	PVOh		48.9	58.38	2	4
Progesterone-PVOh		dose 10		57.15	16	4
Caffeine	PVOh	dose 200		57.00	4	3
Pure Water	water		55	56.80	10	3
Phenobarbital-water		.001M	1.0 x 10 ⁻³	55.91	9	3
Citric acid	PVOh	500		55.23	19	1
Phenobarbital-PVOh		.001M	1.0 x 10 ⁻³	54.65	2	3
Celebrex	PVOh	.0005M	5.0 x 10 ⁻⁴	54.65	14	3
Ibuprophen	PVOh	800		54.6	18	2
Caffeine	water	dose 200		54.44	11	3
Fluoxetine	PVOh	20		54.37	15	2
Imuran	PVOh	.0005M	5.0 x 10 ⁻⁴	53.78	18	4
Citric acid	PVOh	60		53.39	6	1
Hydrocortisone-PVOh		dose 10		52.95	15	4
Caffeine	PVOh	.0005M	5.0 x 10 ⁻⁴	52.40	5	3
Vitamin C	water	1000		52.36	22	1
PVOh-glass	PVOh		48.9	51.89	24	4
Citric acid	PVOh	1000		49.86	25	1
Citric acid	water	500		49.51	18	1
Imuran	PVOh	dose 50		49.44	12	4
Hydrocortisone-PVOh		.0005M	5.0 x 10 ⁻⁴	49.39	20	4
Vitamin C	water	500		49.08	16	1
Dextrose	PVOh	.001M	1.0 x 10 ⁻³	48.28	19	3
Phenobarbital-water		.0005M	5.0 x 10 ⁻⁴	48.08	8	3
Vitamin C	water	60		48.03	3	1
Vitamin C	water	250		47.83	10	1
Tamoxifen	PVOh	20		47.61	8	2
Ibuprophen	PVOh	300		47.43	12	2
Citric acid	water	1000		46.63	24	1
Citric acid	water	60		45.82	5	1
Aspirin	PVOh	.0005M	5.0 x 10 ⁻⁴	45.57	24	2
Citric acid	PVOh	250		45.51	13	1
Celebrex	water	.001M	1.0 x 10 ⁻³	45.07	21	3
Fluoxetine	PVOh	.0005M	5.0 x 10 ⁻⁴	44.92	20	2
Glycerine	PVOh	.0005M	5.0 x 10 ⁻⁴	44.54	7	3
Sucrose	water	.001M	1.0 x 10 ⁻³	44.02	22	3
Pure water			55	43.45	12	1
Vioxx	PVOh	dose 50		42.76	8	4
Caffeine	water	.0005M	5.0 x 10 ⁻⁴	42.52	12	3
Sucrose	water	.0005M	5.0 x 10 ⁻⁴	42.35	23	3
Phenobarbital-PVOh		.0005M	5.0 x 10 ⁻⁴	42.32	1	3
Caffeine	water	200		40.70	20	1
Caffeine	PVOh	.001M	1.0 x 10 ⁻³	39.39	6	3
water-glass	water		55	38.53	23	4
Pure water	water		55	38.52	22	4
Pure PVOh			48.9	37.87	7	1
Cytoxan	water	dose 50		37.78	4	4
Fructose	PVOh	.0005M	5.0 x 10 ⁻⁴	37.62	19	4
Vitamin C	PVOh	.0005M	5.0 x 10 ⁻⁴	37.41	14	2
Celebrex	water	.0005M	5.0 x 10 ⁻⁴	37.34	20	3
Fluoxetine	water	60		37.31	9	2
PVOh-glass	PVOh		48.9	37.06	6	4
Tartaric acid	water	1000		36.86	8	1
Progesterone-water		dose 10		36.55	10	4
Aspirin	PVOh	325		36.02	19	2
Acetomemophen-water		1000		35.98	4	2
Pure water				35.83	3	2
Vioxx	PVOh	.0005M	5.0 x 10 ⁻⁴	35.10	14	4
Dextrose	water	.0005M	5.0 x 10 ⁻⁴	35.00	24	3
Imuran	water	dose 50		34.54	5	4
Hydrocortisone-water		dose 10		34.75	9	4
Ibuprophen	water	800		33.66	5	2
Caffeine	water	50		33.32	14	1
Fluoxetine	water	20		33.28	2	2
Tartaric acid	water	500		33.13	1	1
Fructose	PVOh	dose 50		33.08	13	4
Pure PVOh			48.9	32.05	7	2
Caffeine	water	.001M	1.0 x 10 ⁻³	32.04	13	3
PVOh-glass	PVOh		48.9	31.33	7	4
Water index			55	30.21	Index	3
Aspirin	PVOh	2000		30.00	25	2
Water index			55	29.49	Index	1
Tamoxifen	water	20		29.05	1	2
Dextrose	water	.001M	1.0 x 10 ⁻³	28.84	25	3
Aspirin	water	325		28.44	6	2
Vioxx	water	dose 50		28.43	1	4
Fructose	water	dose 50		27.71	25	4
Aspirin	water	2000		27.33	13	2
Water index	water		55	26.84	Index	2
Water index	water		55	26.75	Index	4