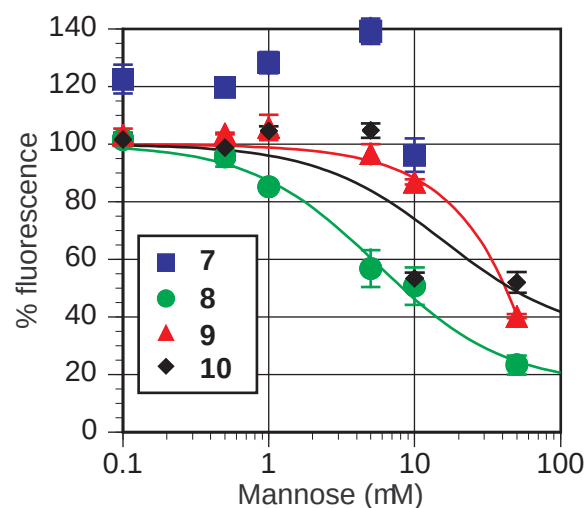
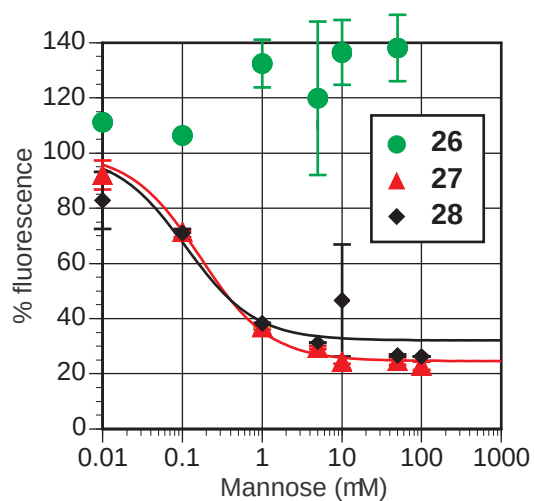
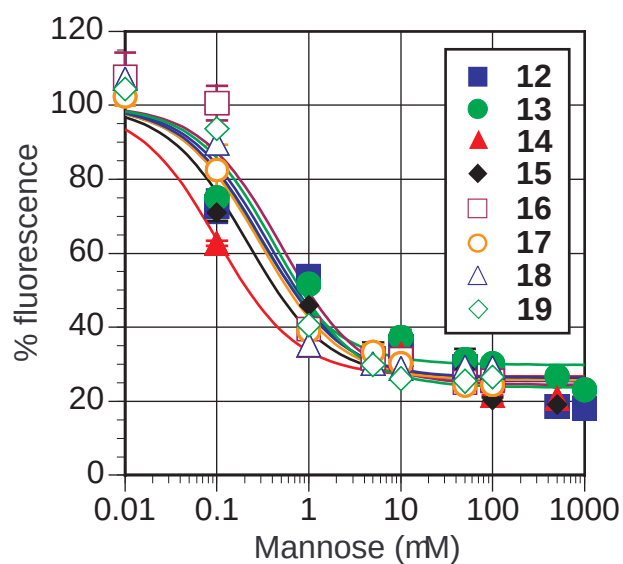
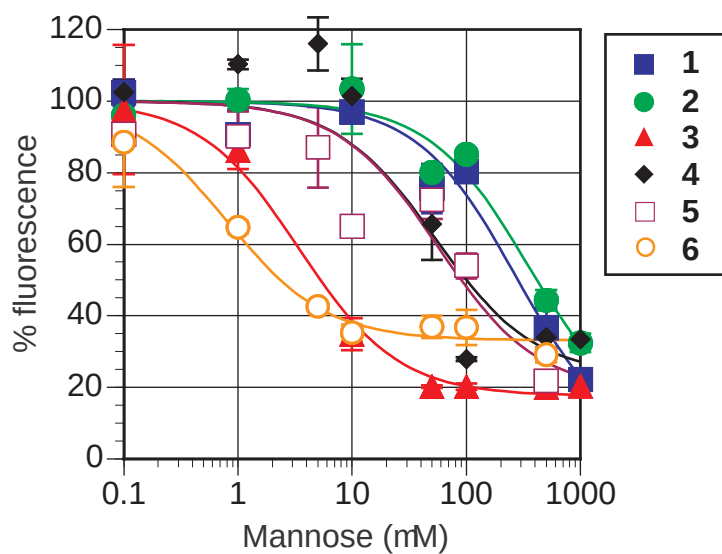


"Influencing Receptor-Ligand Binding Mechanisms with Multivalent Ligand Architecture"

Plate assay results (curve fits and processed data):

cmpd	IC ₅₀ (nM)	SEM	Rel. Pot.
1	280	46	0.82
2	3.9	0.38	60
3	320	40	0.73
4	160	20	1.4
5	66	11	3.6
6	0.79	0.090	290
11	—	—	—
12	1.7	0.14	140
13	1.1	0.06	220
14	0.50	0.07	460
15	1.1	0.11	220
16	0.40	0.03	580
17	0.27	0.01	870
18	0.24	0.00	950
19	0.34	0.03	680
26	—	—	—
27	0.14	0.01	1700
28	0.11	0.02	2100
7	—	—	—
8	6.1	1.0	38
9	26	2.7	9.0
10	16	0.64	15

aMeMan IC₅₀= 231.9 nM

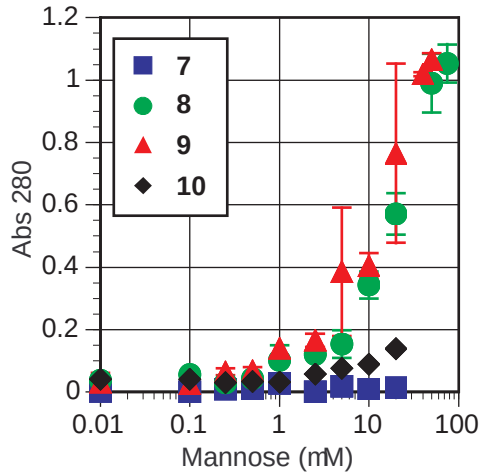
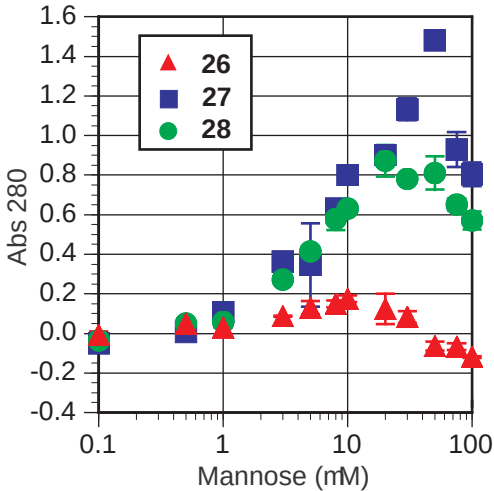
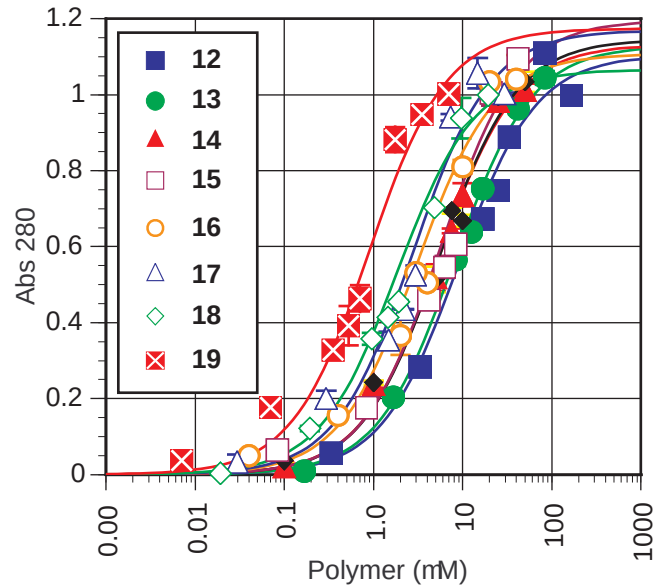
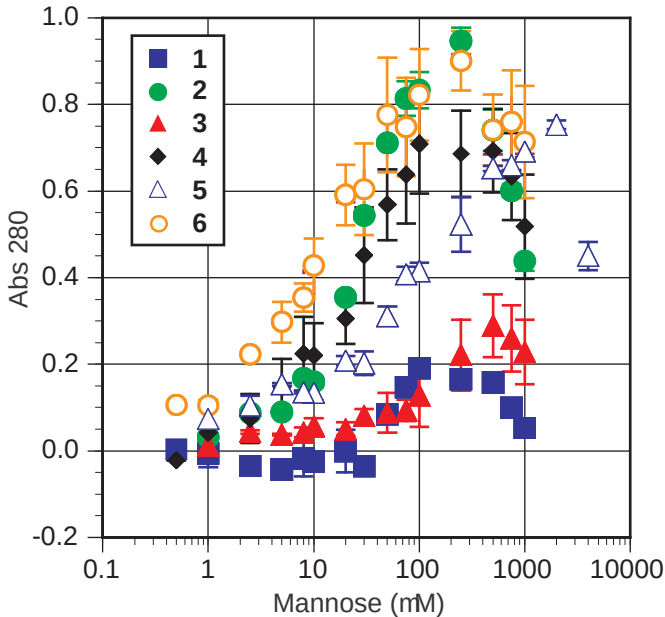


"Influencing Receptor-Ligand Binding Mechanisms with Multivalent Ligand Architecture"

Quantitative precipitation assay results (curve fits and processed data):

cmpd	IC50 (nM)	SEM	intrcpt (nM)	# of Con A
1	199.7	24.2	—	—
2	33.75	2.58	25	1.2
3	131.2	32.6	—	—
4	23.05	3.78	34	0.9
5	13.53	3.18	9.3	3.2
6	10.20	2.63	3.8	8.0
11	—	—	—	—
12	28.71	2.84	30	1.0
13	54.57	2.56	19	1.6
14	57.40	6.72	13	2.3
15	114.0	25.3	14	2.1
16	133.5	23.2	7.8	3.8
17	113.2	8.88	5.9	5.1
18	116.2	5.08	3.9	7.7
19	111.5	1.24	1.6	19.2
26	—	—	—	—
27	13.70	0.00	0.05	655
28	11.40	2.33	0.07	441
7	—	—	—	—
8	18.72	1.38	3.0	9.9
9	16.25	4.90	5.3	5.7
10	—	—	—	—

see ref 29 for compounds 20-25.

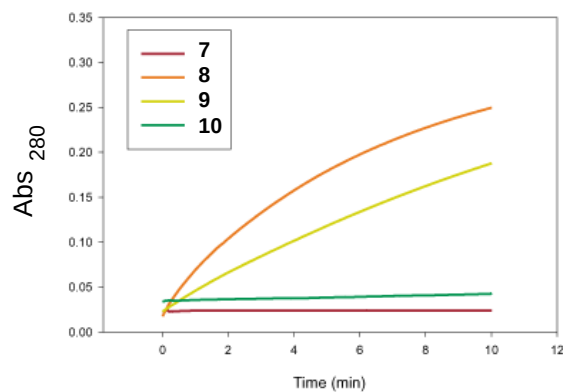
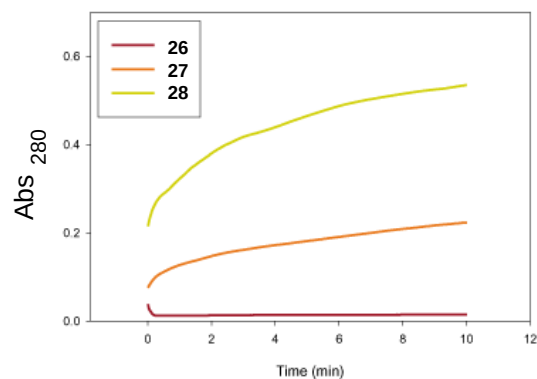
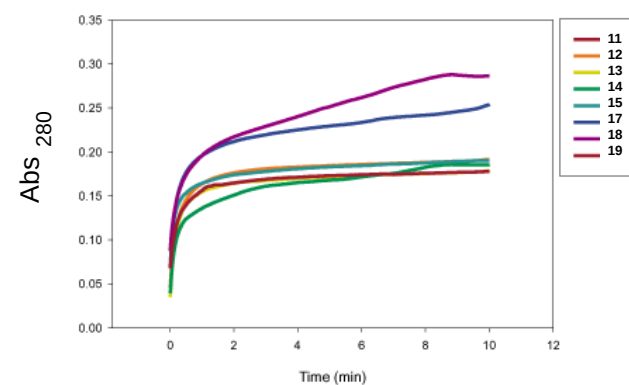
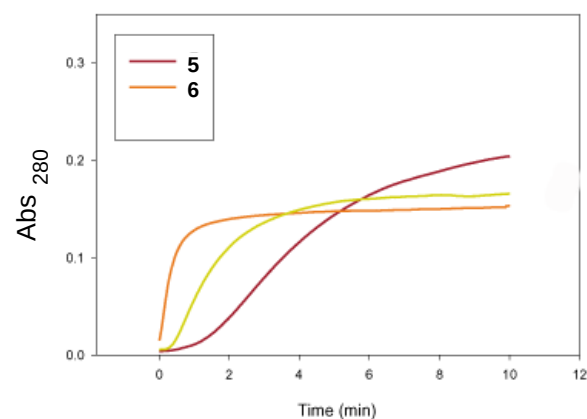
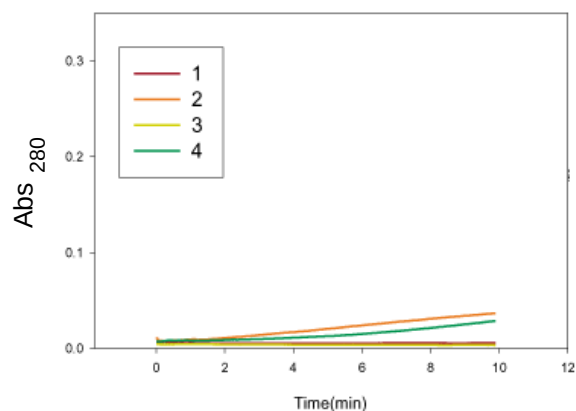


"Influencing Receptor-Ligand Binding Mechanisms with Multivalent Ligand Architecture"

Turbidity assay results (curve fits and processed data):

compd	k _i (Au/min)	SEM	t _{1/2} (min)	SEM
1	—	—	—	—
2	0.004	0.001	4.33	0.37
3	—	—	—	—
4	0.003	0.001	5.68	0.46
5	0.241	0.021	0.28	0.03
6	0.078	0.002	1.4	0.06
11	—	—	—	—
12	0.444	0.036	0.119	0.05
13	0.491	0.07	0.114	0.03
14	0.419	0.014	0.142	0.02
15	—	—	—	—
16	—	—	—	—
17	0.492	0.07	0.119	0.02
18	0.421	0.055	0.081	0.04
19	0.364	0.024	0.242	0.26
26	—	—	—	—
27	0.125	0.009	0.481	0.22
28	0.294	0.023	0.303	0.31
7	—	—	—	—
8	0.061	0.006	2.2	0.00
9	0.025	0.002	2.69	0.16
10	0.001	0	3.47	0.11

see ref 29 for compounds 20-25.

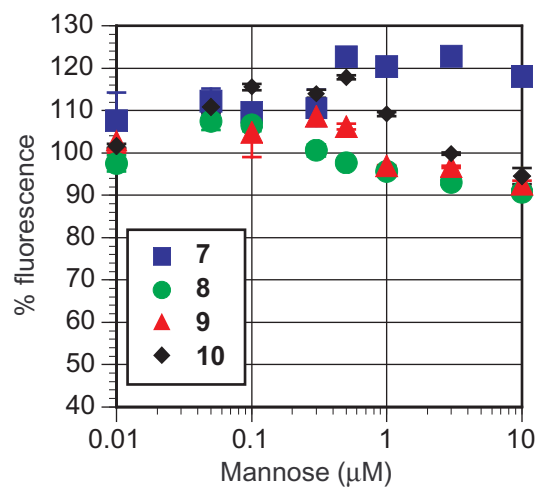
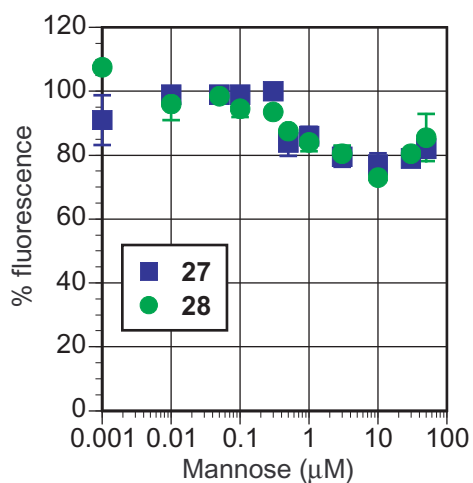
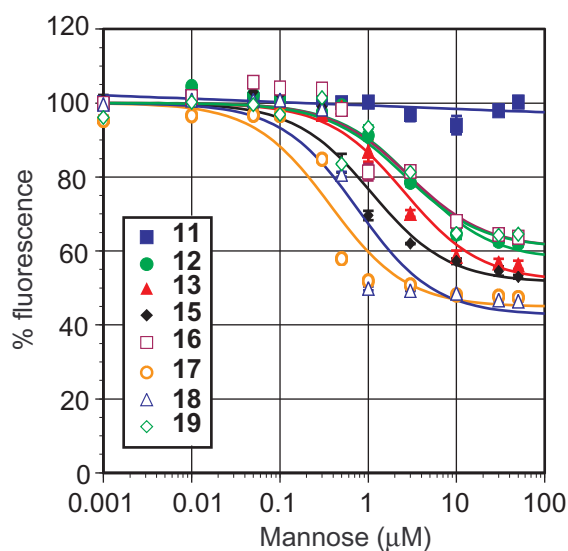
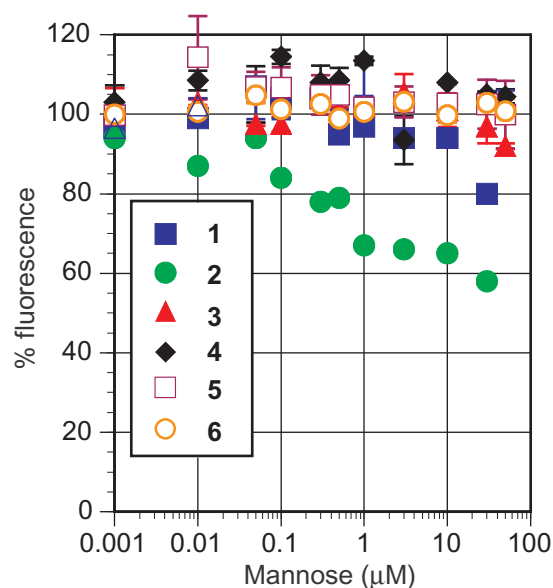


"Structurally diverse multivalent ligands reveal the influence of architecture on receptor binding mechanisms"

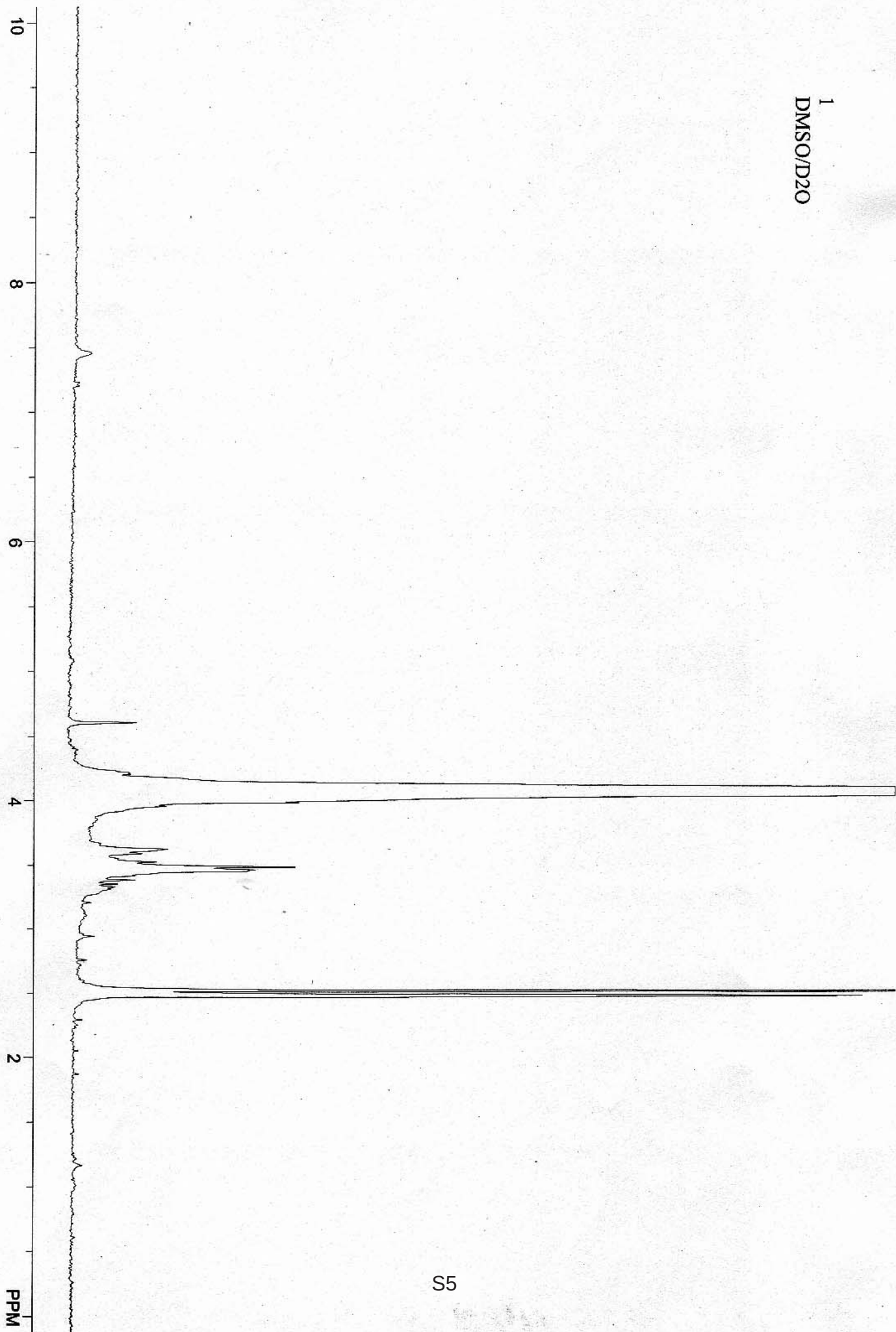
Fluorescence quenching assay results (curve fits and processed data):

cmpd	IC50 (μM)	SEM	Fmax (%)	SEM
1	80.10	0.0	20.0	0
2	0.21	0.0	42.0	0
3	—	—	—	—
4	—	—	—	—
5	—	—	—	—
6	—	—	—	—
11	—	—	—	—
12	3.39	0.08	37.5	1.06
13	2.60	0.29	43.0	1.41
14	—	—	—	—
15	2.35	0.81	42.0	2.83
16	1.10	0.16	46.5	0.35
17	0.37	0.01	52.5	0.35
18	0.77	0.01	54.5	1.06
19	3.49	1.50	33.0	0.00
26	—	—	—	—
27	1.27	0.04	20.5	0.0
28	1.16	0.02	19.0	0.0
7	—	—	—	—
8	0.96	0.36	8.5	0.35
9	1.42	0.06	6.0	0.71
10	—	—	—	—

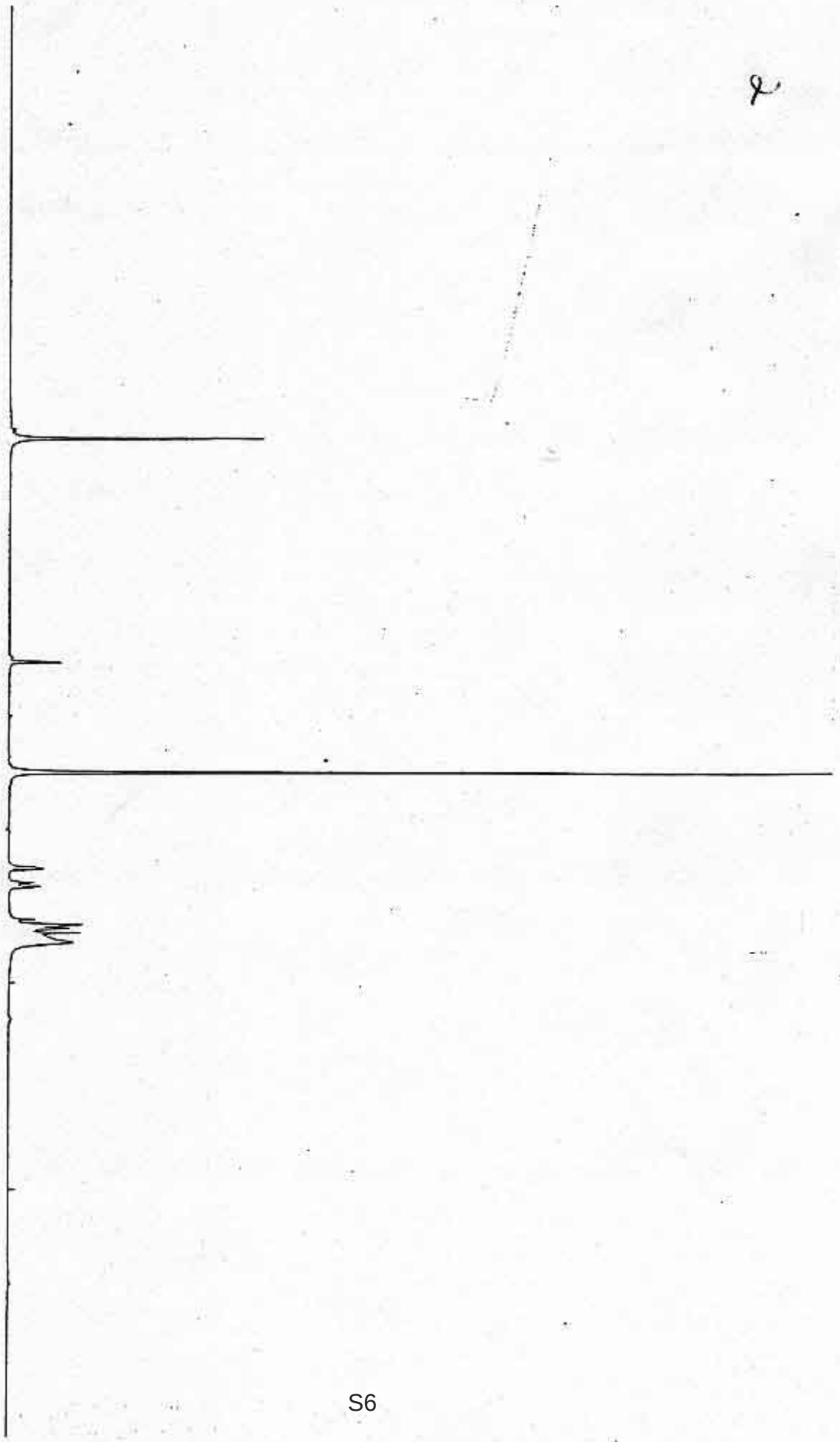
see ref 26 for compounds 20-25.



1
DMSO/D2O



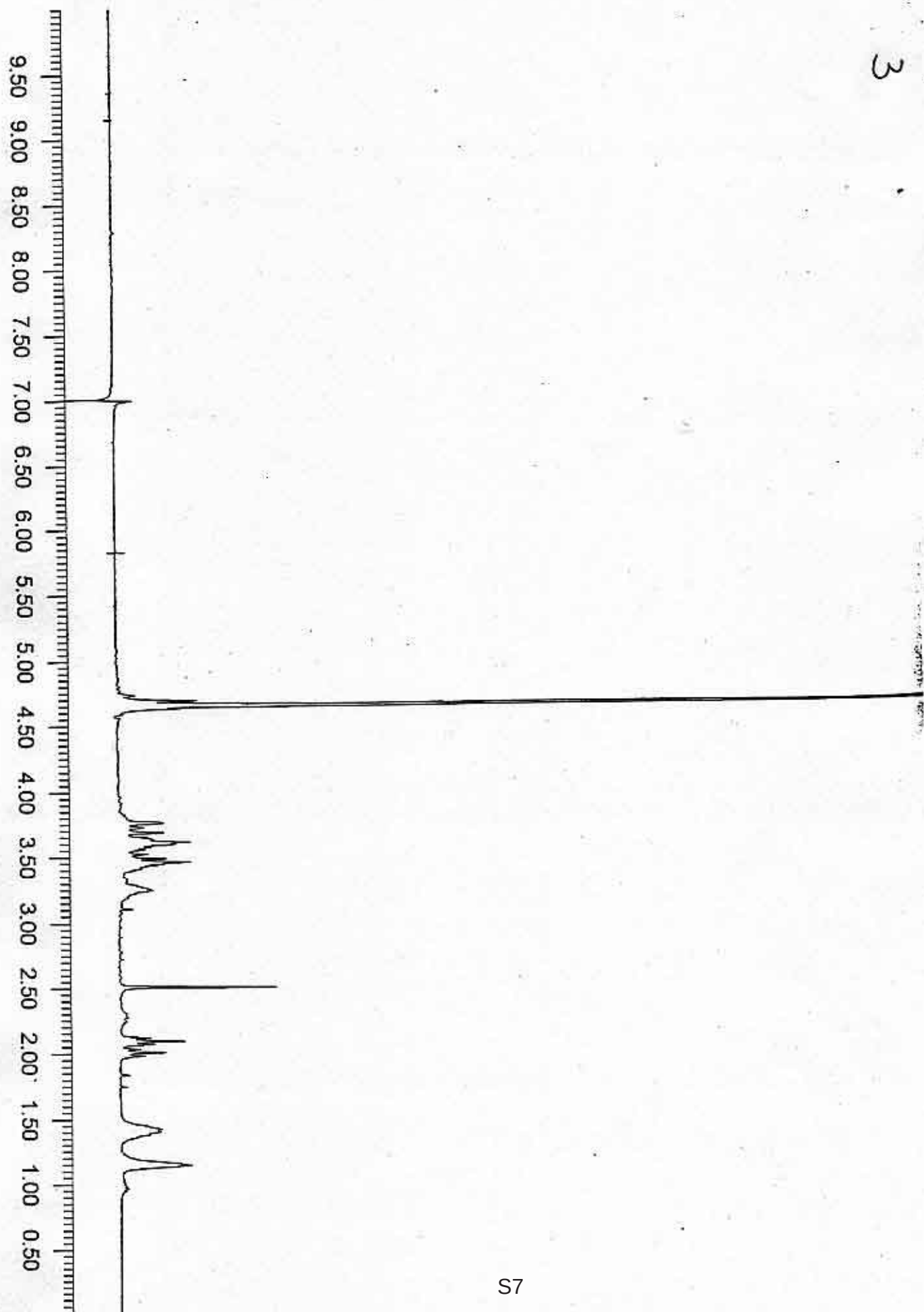
2



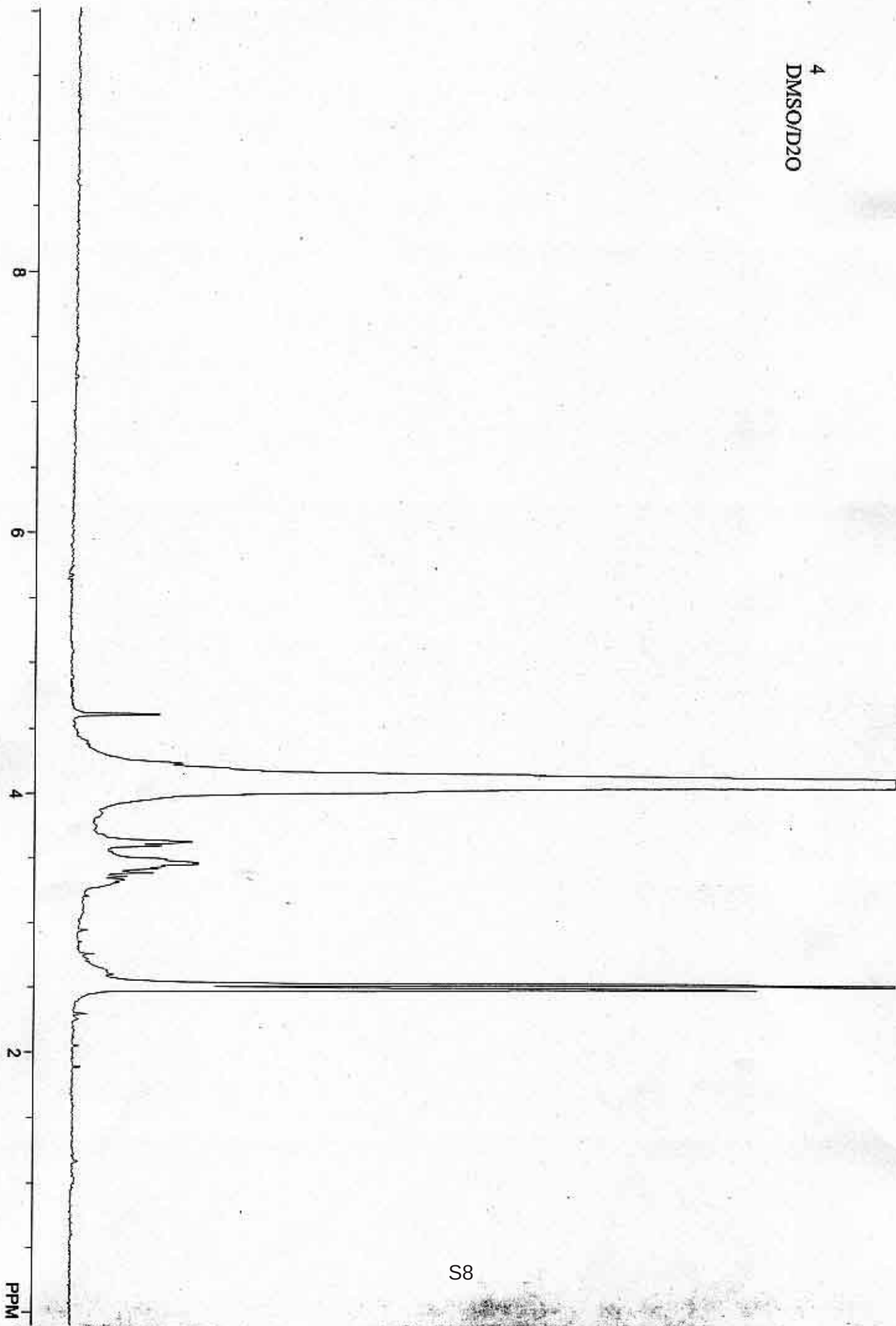
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3

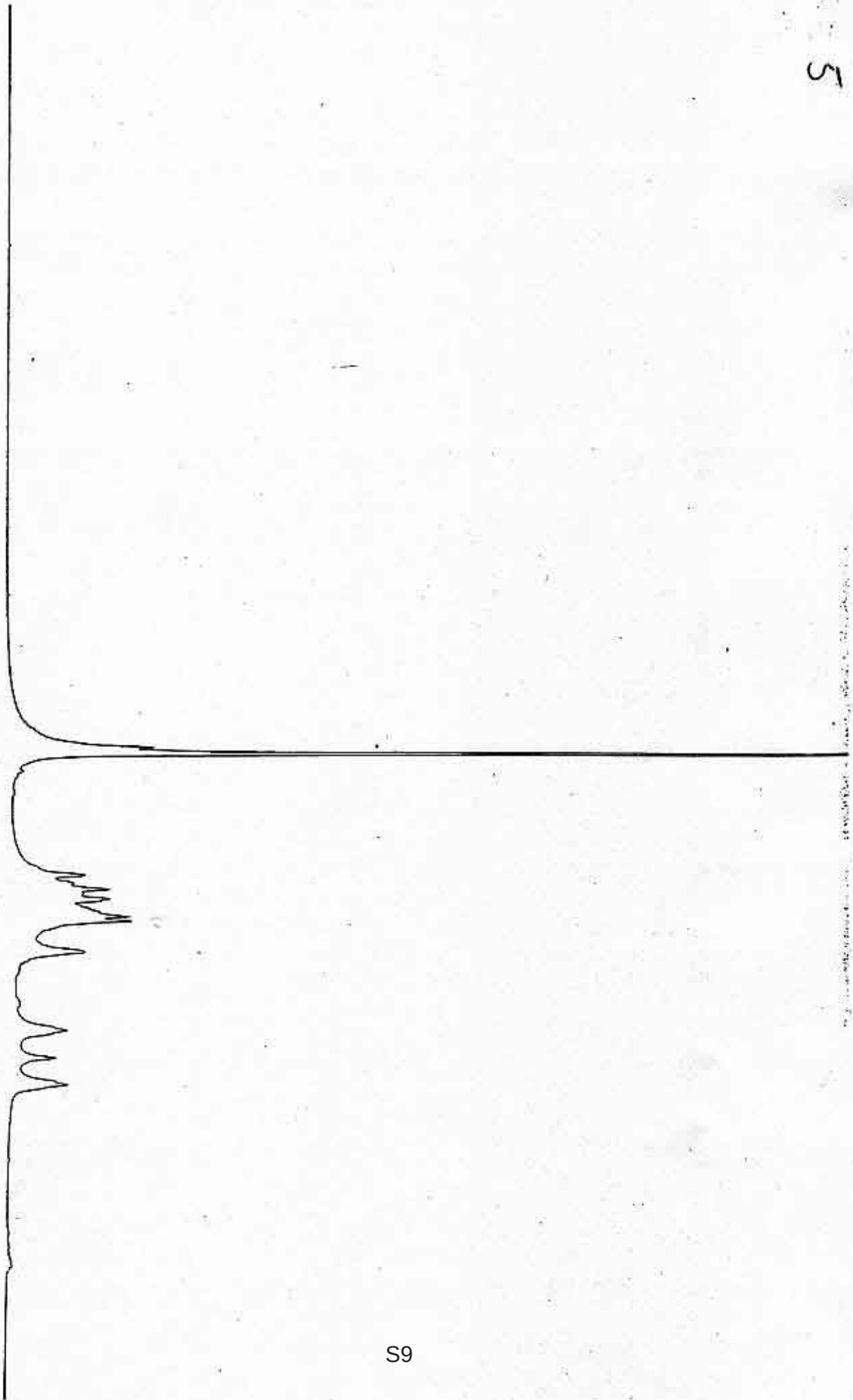


4
DMSO/D2O



5

9.50 9.00 8.50 8.00 7.50 7.00 6.50 6.00 5.50 5.00 4.50 4.00 3.50 3.00 2.50 2.00 1.50 1.00 0.50



6
DMSO/D2O

