

Supporting Information

Solution and solid state studies of urea derivatives of DITIPIRAM acting as powerful anion receptors

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1. Crystal Data

Diffractometer and data collection

The X-ray measurements of **6**@(DMSO·H₂O) and **6**@(Cl)TBA were performed at 100(2) K on a Bruker D8 Venture Photon100 diffractometer equipped with a TRIUMPH monochromator and a MoK α fine focus sealed tube (λ = 0.71073 Å) using Bruker APEX2 program [1]. Data were corrected for absorption effects using the multi-scan method (SADABS) [2]. The structure was solved and refined using SHELXTL Software Package [3].

All non-hydrogen atoms were refined anisotropically. Most of hydrogen atoms were placed in calculated positions and refined within the riding model. Position and temperature factors of four hydrogen atoms engaged in hydrogen bonds were refined. The temperature factors of all other hydrogen atoms were not refined and were set to be either 1.2 or 1.5 times larger than U_{eq} of the corresponding heavy atom. The atomic scattering factors were taken from the International Tables [4]. Thermal ellipsoids parameters are presented at 50% probability level.

Table S1. Crystal data and structure refinement details for **6**@(DMSO·H₂O) and **6**@(Cl)TBA.

Compound	6 @(DMSO·H ₂ O)	6 @(Cl)TBA
Empirical formula	C ₂₈ H ₂₉ F ₂ N ₅ O ₄ S ₃	C ₄₂ H ₅₇ ClF ₂ N ₆ O ₂ S ₂
Formula weight	633.74	815.50
CCDC No.	2063422	2063423
Wavelength	1.54184	1.54184
Crystal system	monoclinic	monoclinic
Space group	P 2 ₁ /n	P 2 ₁
Unit cell dimensions	a = 10.2142(5) Å b = 22.3169(11) Å c = 12.6528(6) Å β = 90.0136(12)°	a = 8.4288(4) Å b = 28.6479(13) Å c = 17.9789(8) Å β = 99.7682(13)°
Volume	2884.2 Å ³	4278.4 Å ³
Z	4	4
Density Calc.	1.459 g/cm ³	1.266 g/cm ³
F(000)	1320	1736
Crystal size	0.104 × 0.273 × 0.559 mm	0.034 × 0.246 × 0.296 mm
Index ranges	-12 ≤ h ≤ 12 -26 ≤ k ≤ 26 -15 ≤ l ≤ 15	-10 ≤ h ≤ 10 -34 ≤ k ≤ 34 -21 ≤ l ≤ 21
Reflections collected (all / independent)	38247/5095	70952/15117
Absorption correction	multi-scan	multi-scan
Restraints / parameters	5095/407	15117/1098
Goodness-of-fit on F^2	1.040	1.028

Thermal ellipsoid plots (ORTEP) for reported crystal structures with the thermal ellipsoids shown at a 50% probability level

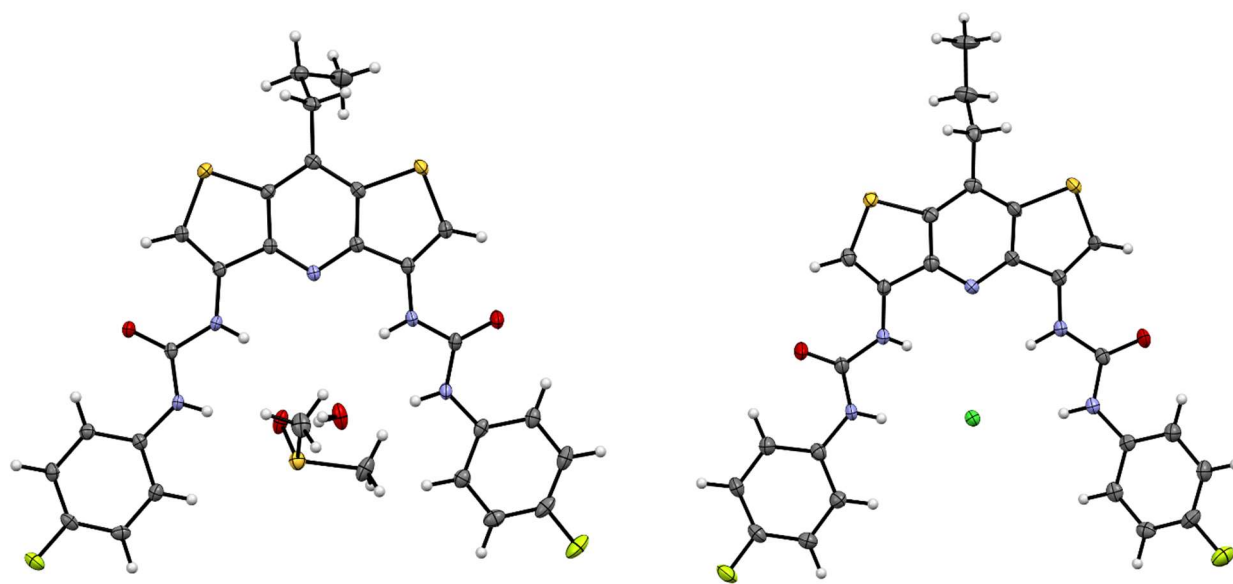


Figure S1. Thermal ellipsoid plot (ORTEP) diagram for structures **6**@(DMSO·H₂O) (left) and **6**@(Cl)TBA (right).

2. Computational studies

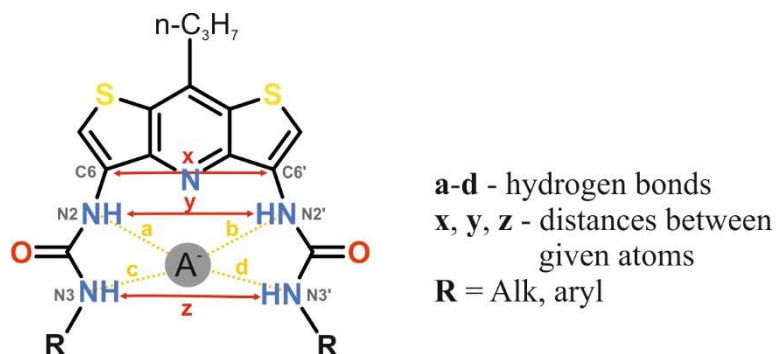


Table S2. Relevant geometrical descriptors, hydrogen bond lengths, and calculated Gibbs free energies of energy-optimized complexes of receptors **2-7** with anions^[a]

Structure	Descriptors (Å)			Hydrogen bond lengths (Å)				$\Delta(\Delta G^0)^{[b]}$
	x	y	z	a	b	c	d	
2@Cl⁻	4.88	4.96	6.81	3.45	3.44	3.43	3.42	-28.3
3@Cl⁻	4.87	4.95	6.71	3.43	3.44	3.36	3.37	-31.4
4@Cl⁻	4.87	4.94	6.67	3.42	3.42	3.34	3.35	-39.3
5@Cl⁻	4.87	4.94	6.68	3.43	3.43	3.36	3.35	-34.5
6@Cl⁻	4.87	4.94	6.70	3.43	3.43	3.36	3.36	-31.4
6@Cl⁻[a]	4.82	4.87	6.54	3.39	3.46	3.29	3.30	-
7@Cl⁻	4.87	4.94	6.68	3.46	3.45	3.35	3.36	-31.8
2@MeCO₂⁻	4.92	5.14	7.30	2.86	2.86	2.85	2.87	-52.1
3@MeCO₂⁻	4.96	5.32	7.65	2.83	2.82	2.75	2.75	-73.7
4@MeCO₂⁻	4.96	5.31	7.62	2.82	2.81	2.73	2.73	-72.4
5@MeCO₂⁻	4.92	5.16	7.27	2.86	2.85	2.80	2.78	-75.6
6@MeCO₂⁻	4.96	5.31	7.64	2.83	2.83	2.74	2.74	-65.1
7@MeCO₂⁻	4.92	5.16	7.28	2.86	2.85	2.80	2.82	-70.9
2@PhCO₂⁻	4.91	5.10	7.19	2.92	2.92	2.93	2.89	-48.4
3@PhCO₂⁻	4.93	5.18	7.30	2.80	2.85	2.80	2.82	-60.2
4@PhCO₂⁻	4.93	5.17	7.26	2.87	2.83	2.78	2.81	-65.3
5@PhCO₂⁻	4.93	5.18	7.29	2.88	2.84	2.78	2.81	-61.8
6@PhCO₂⁻	4.91	5.12	7.19	2.86	2.90	2.83	2.83	-60.6
7@PhCO₂⁻	4.92	5.14	7.25	2.87	2.87	2.83	2.85	-64.7

[a] The structures were found using conformational search analysis; the final geometry optimization (without constraints) and energy calculations were calculated at DFT/M06-2X/6-31G(d)/C-PCM:DMSO level of theory using Spartan'18 Parallel Suite. [b] Free binding energy $\Delta(\Delta G^0) = \Delta G^0_{\text{complex}} - (\Delta G^0_{\text{receptor}} + \Delta G^0_{\text{anion}})$ in kJ/mol.

3. Copies of ^1H and ^{13}C NMR spectra

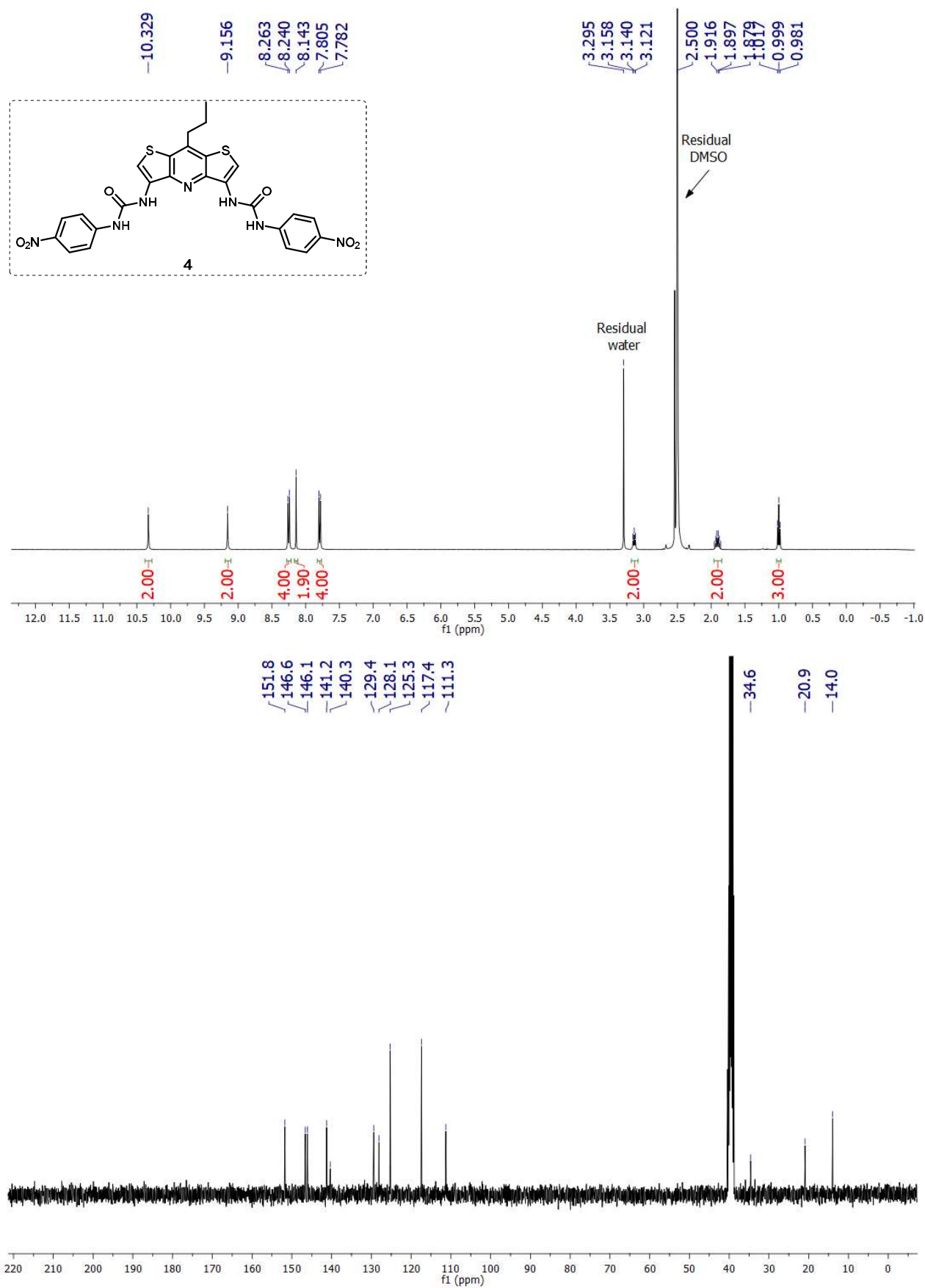


Figure S2. ^1H NMR (400 MHz) and ^{13}C NMR (100 MHz) spectra of compound **4** in $\text{DMSO}-d_6$.

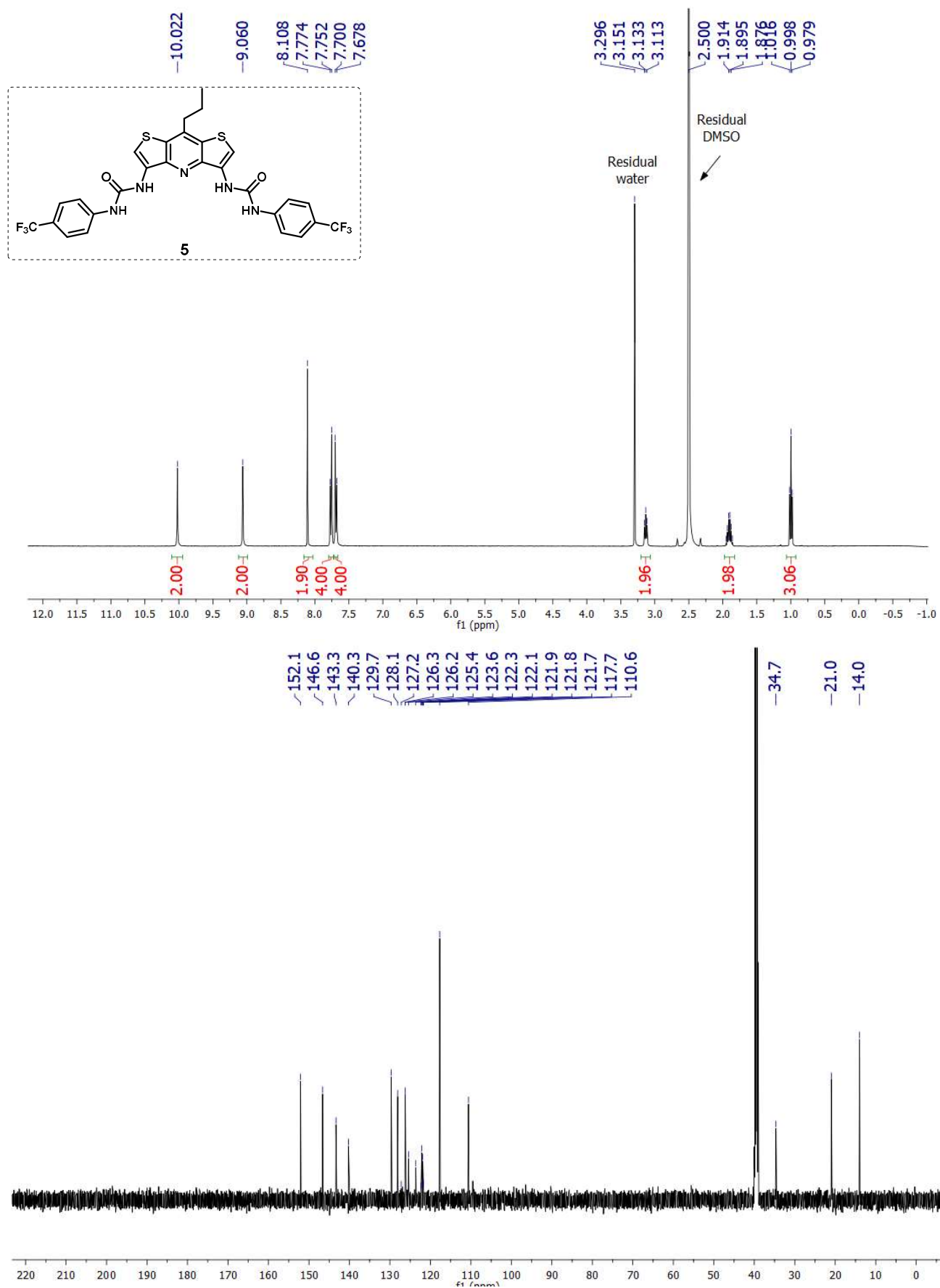


Figure S3. ¹H NMR (400 MHz) and ¹³C NMR (100 MHz) spectra of compound **5** in DMSO-*d*₆.

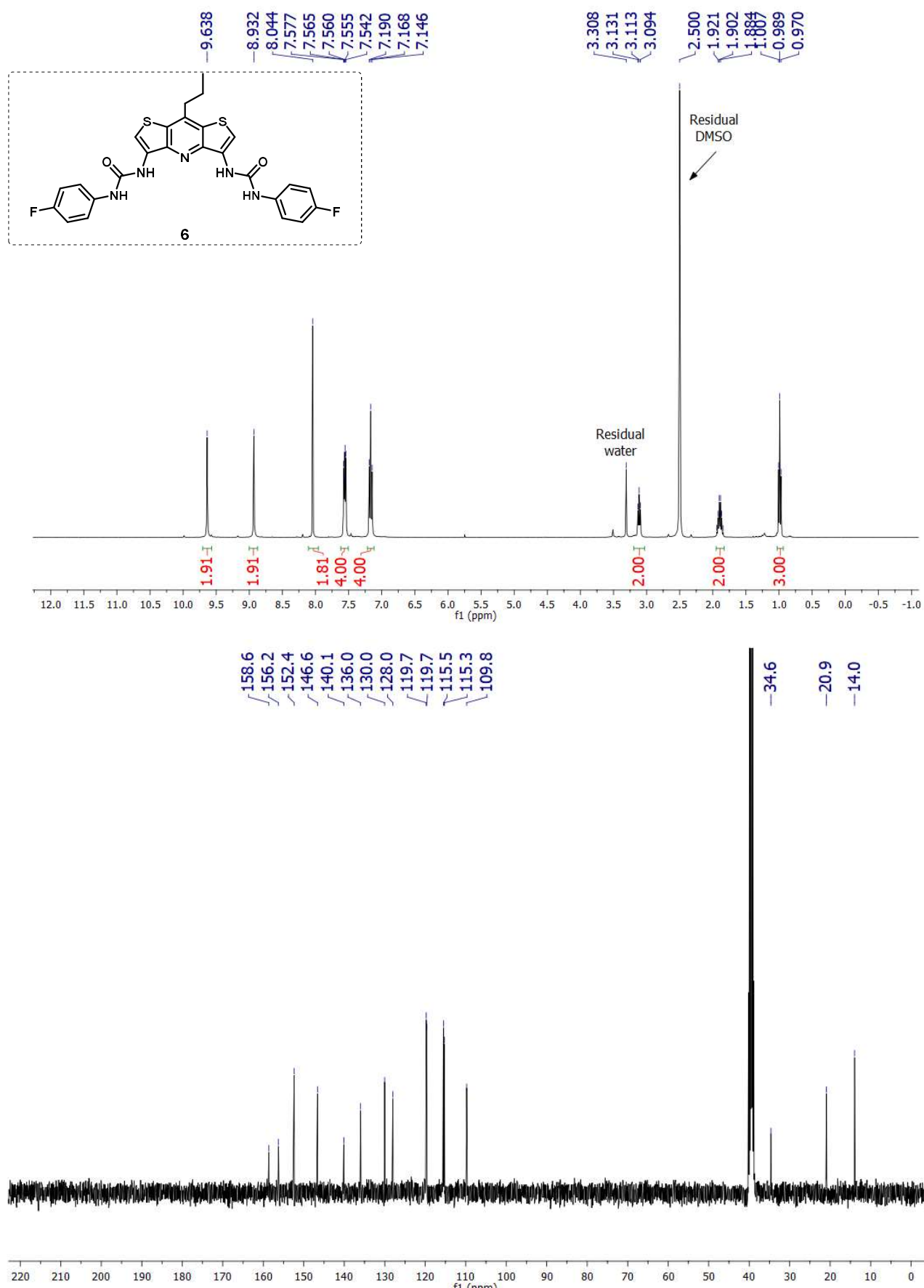


Figure S4. ¹H NMR (400 MHz) and ¹³C NMR (100 MHz) spectra of compound **6** in DMSO-*d*₆.

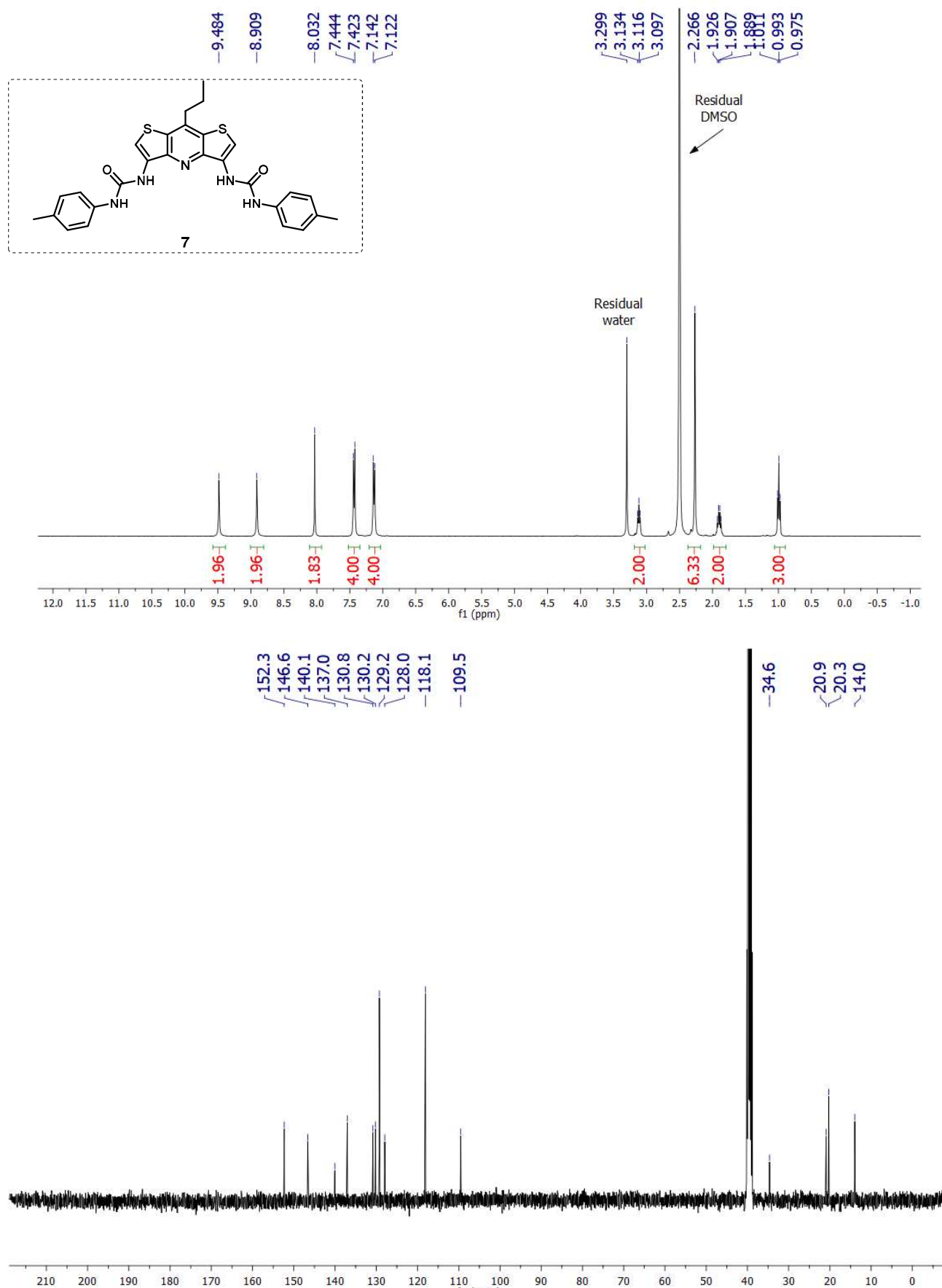


Figure S5. ¹H NMR (400 MHz) and ¹³C NMR (100 MHz) spectra of compound **7** in DMSO-*d*₆.

4. Titration experiments

As the source of anions, commercially available tetrabutylammonium salts were used. The host solution was titrated in a NMR tube with the solution of the respective TBA salt in receptor aliquots (details are given in Table S3 and S4). The binding constants were calculated from the changes in chemical shifts of ligand protons which were shifted during titration. Nonlinear curve fitting was carried out with HypNMR 2008 [5] (Version 4.0.71) program with fitting to the appropriate global binding model (see Table S3 and S4).

Table. S3. Titration details and global stability constants K_a (M^{-1}) for Receptors **5-7** with various anions in DMSO- d_6 + 0.5% H_2O ^[a]

Entry	Receptor	Anion	C_{Host} [M]	C_{Guest} [M]	K_a [M^{-1}]
1	5	Cl^-	0.01021	0.11190	3400±80
2		$MeCO_2^-$		0.11144	>10000 ^[b]
3		$PhCO_2^-$		0.08957	>10000 ^[b]
4		$H_2PO_4^-$		0.13135	- ^[c]
5	6	Cl^-	0.01039	0.12261	4650±250
6		$MeCO_2^-$		0.09386	> 10000 ^[b]
7		$PhCO_2^-$		0.09747	> 10000 ^[b]
8		$H_2PO_4^-$		0.09582	- ^[c]
9	7	Cl^-	0.01011	0.12144	2500±50
10		$MeCO_2^-$		0.09195	> 10000 ^[b]
11		$H_2PO_4^-$		0.12078	- ^[c]

[a] Values determined by 1H NMR titration experiments at $T = 303K$ using HypNMR 2008 software [5], errors < 10%, TBA salts as the source of anions. [b] Stability constants above the limit of the 1H NMR titration technique (≥ 10000). [c] Not determined.

Tab. S4. Titration details and global stability constants K_a (M^{-1}) for Receptors **5-7** with various anions in DMSO- d_6 + 10% CD_3OH ^[a]

Entry	Receptor	Anion	C_{Host} [M]	C_{Guest} [M]	K_a [M^{-1}]
1	5	Cl^-	0.01024	0.10714	1040±20
2		$MeCO_2^-$		0.09991	6300±300
3		$PhCO_2^-$		0.09874	2400±80
4		$H_2PO_4^-$		0.14096	- ^[b]
5	6	Cl^-	0.01023	0.12818	1250±20
6		$MeCO_2^-$		0.09904	6400±300
7		$PhCO_2^-$		0.10073	2050±40
8		$H_2PO_4^-$		0.09361	- ^[b]
9	7	Cl^-	0.01003	0.13525	915±10
10		$MeCO_2^-$		0.09795	2950±150
11		$H_2PO_4^-$		0.10495	- ^[b]

^a Values determined by 1H NMR titration experiments at $T = 303K$ using HypNMR 2008 software [5], errors < 10%, TBA salts as the source of anions. ^b Not determined.

Figure S6. Labeling of the selected proton peaks of the receptors **5-7**.

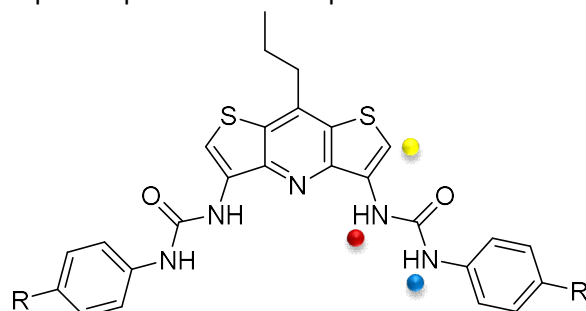


Table S4. Corresponding experimental chemical shift changes (symbols) and calculated binding isotherms (lines) assuming 1:1 binding model; Stacked plots from ^1H NMR titrations of Receptor **5** with increasing amount of $n\text{-Bu}_4\text{NCl}$ in $\text{DMSO-}d_6 + 0.5\%$ H_2O (v/v).

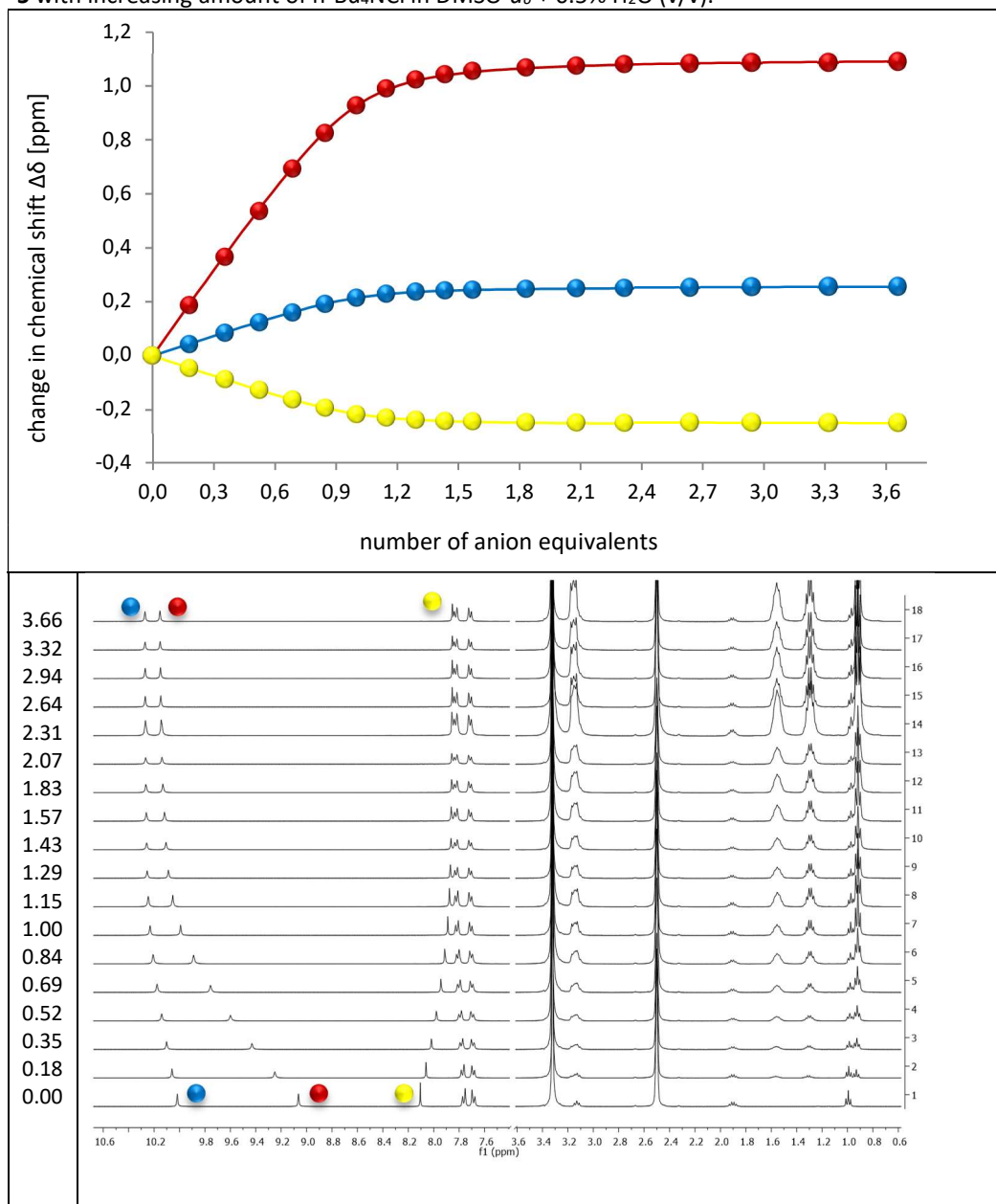


Table S5. Corresponding experimental chemical shift changes (symbols) and calculated binding isotherms (lines) assuming 1:1 binding model; Stacked plots from ^1H NMR titrations of Receptor **5** with increasing amount of $n\text{-Bu}_4\text{NCO}_2\text{Me}$ in $\text{DMSO-}d_6 + 0.5\%$ H_2O (v/v).

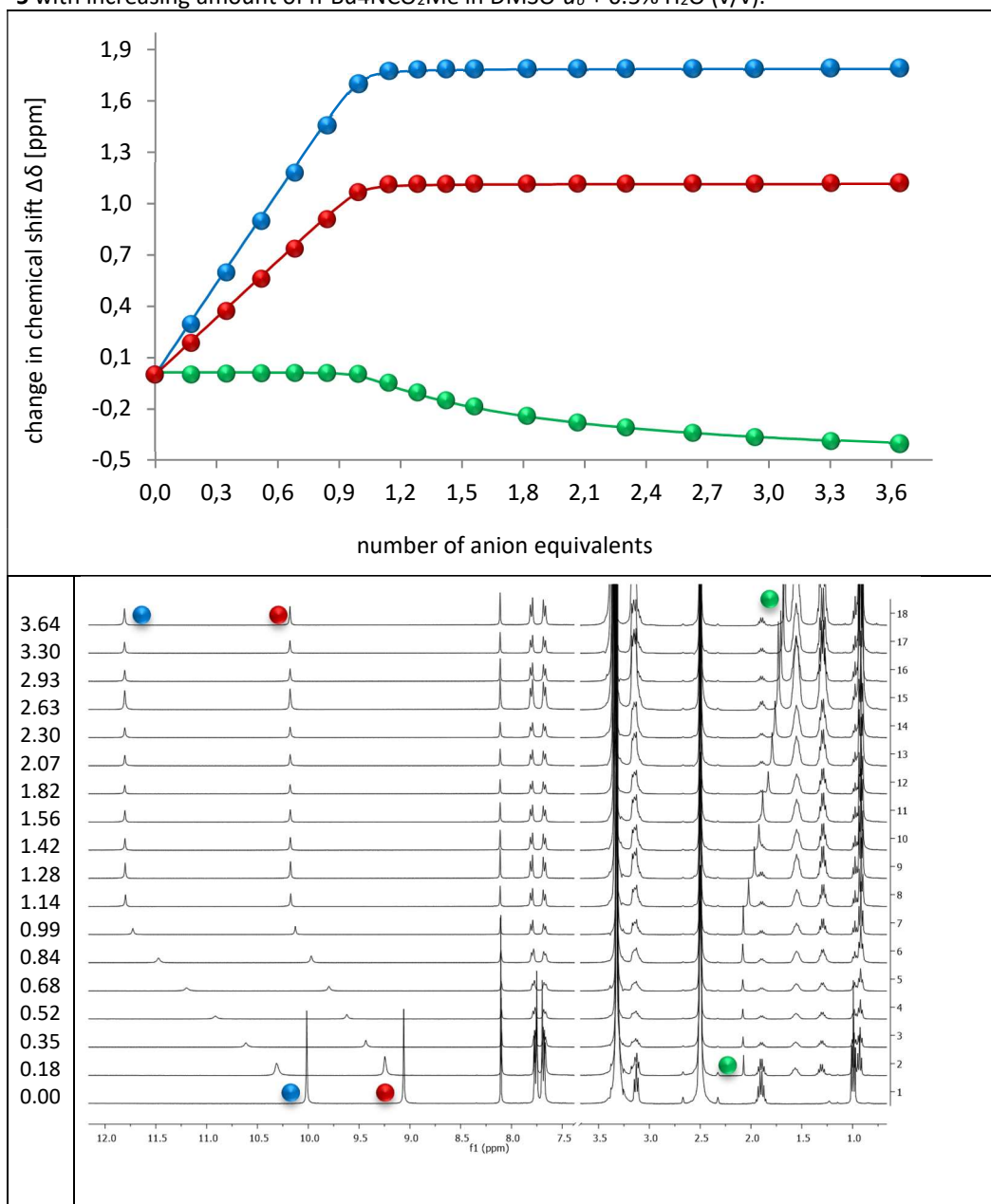


Table S6. Corresponding experimental chemical shift changes (symbols) and calculated binding isotherms (lines) assuming 1:1 binding model; Stacked plots from ^1H NMR titrations of Receptor **5** with increasing amount of $n\text{-Bu}_4\text{NCO}_2\text{Ph}$ in $\text{DMSO-}d_6 + 0.5\% \text{H}_2\text{O}$ (v/v).

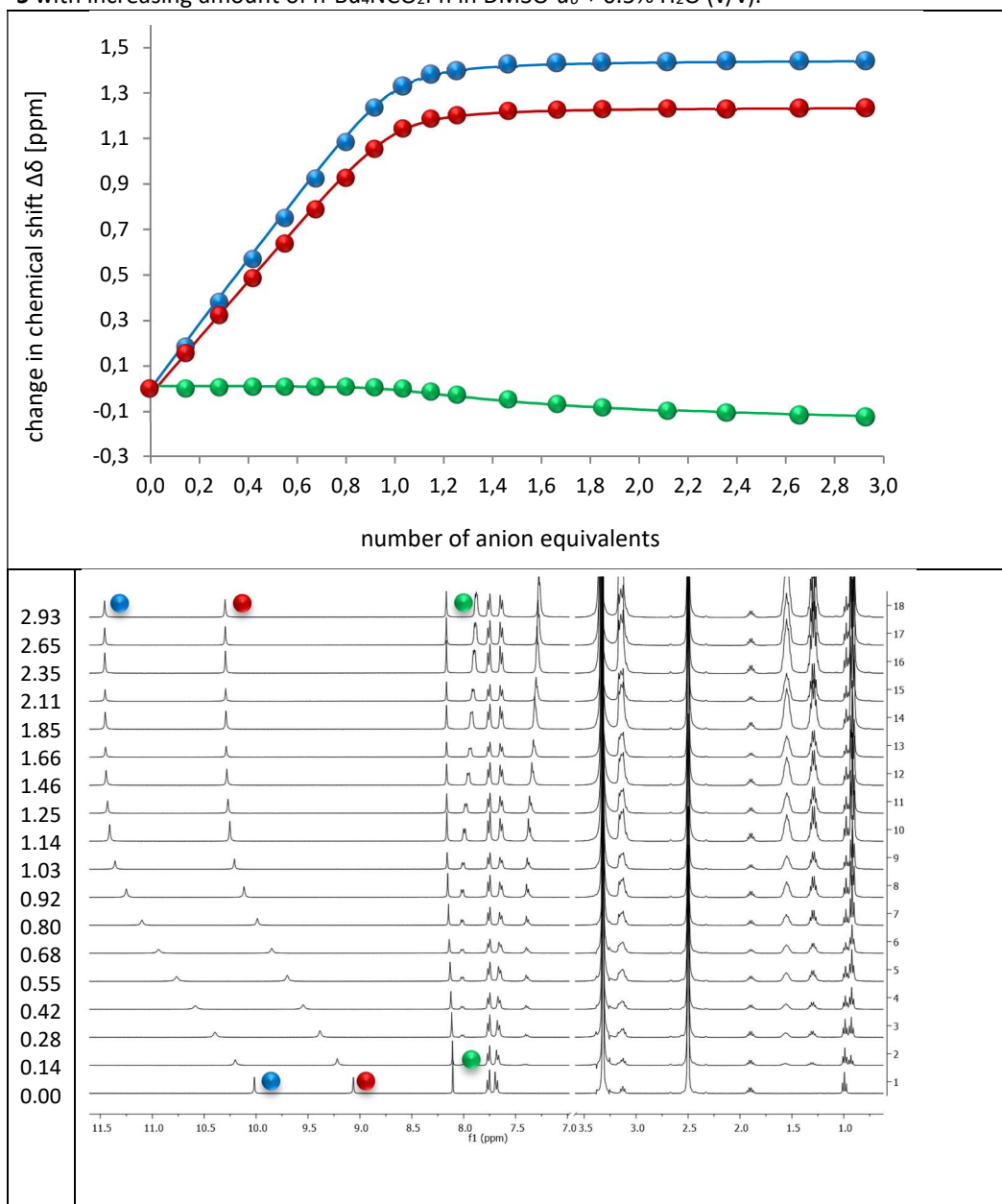


Table S7. Corresponding experimental chemical shift changes (symbols) and calculated binding isotherms (lines) assuming 1:1 binding model; Stacked plots from ^1H NMR titrations of Receptor **5** with increasing amount of $n\text{-Bu}_4\text{NH}_2\text{PO}_4$ in $\text{DMSO-}d_6 + 0.5\%$ H_2O (v/v).

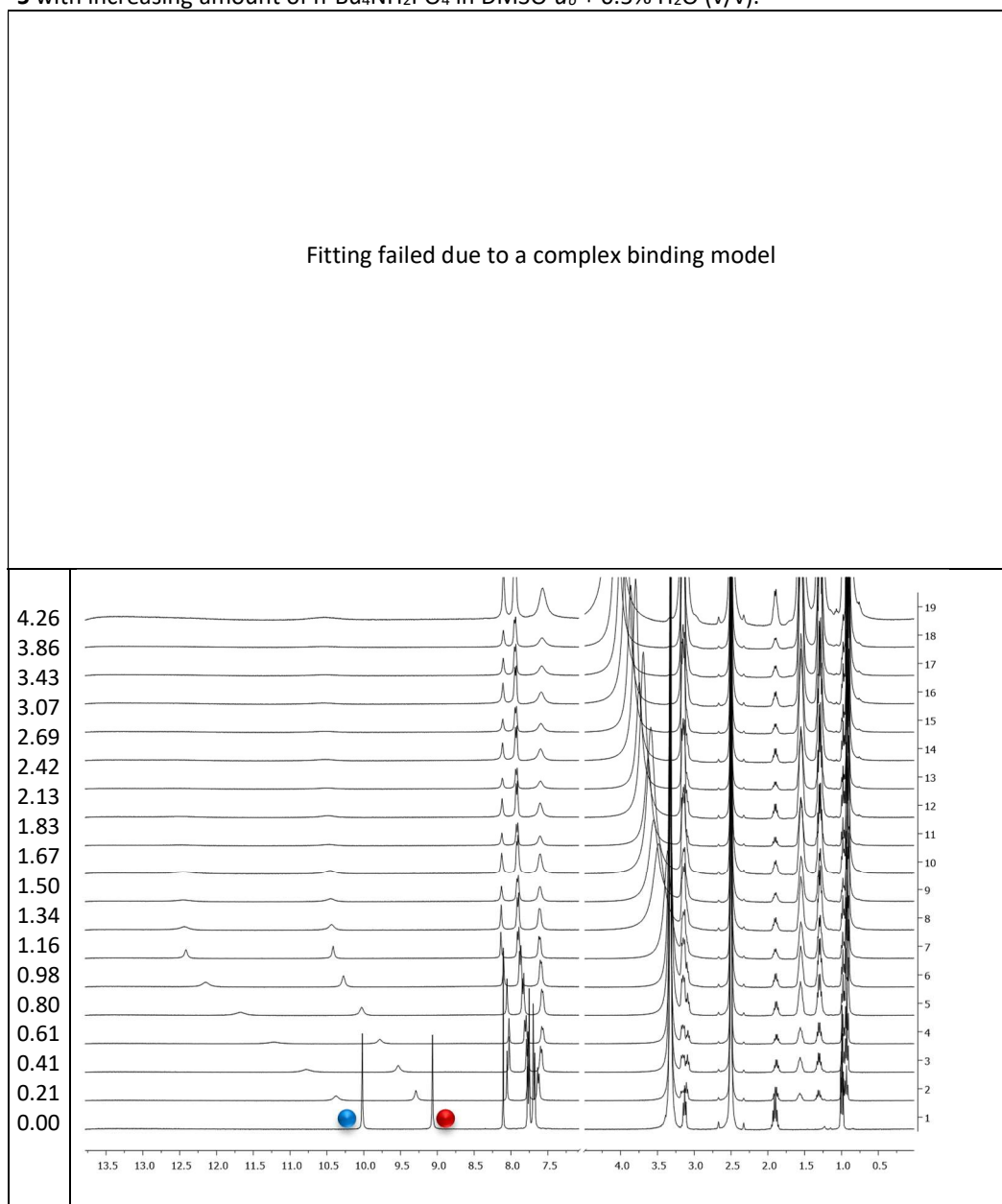


Table S8. Corresponding experimental chemical shift changes (symbols) and calculated binding isotherms (lines) assuming 1:1 binding model; Stacked plots from ^1H NMR titrations of Receptor **5** with increasing amount of $n\text{-Bu}_4\text{NCl}$ in $\text{DMSO-}d_6 + 10\% \text{CD}_3\text{OH}$ (v/v).

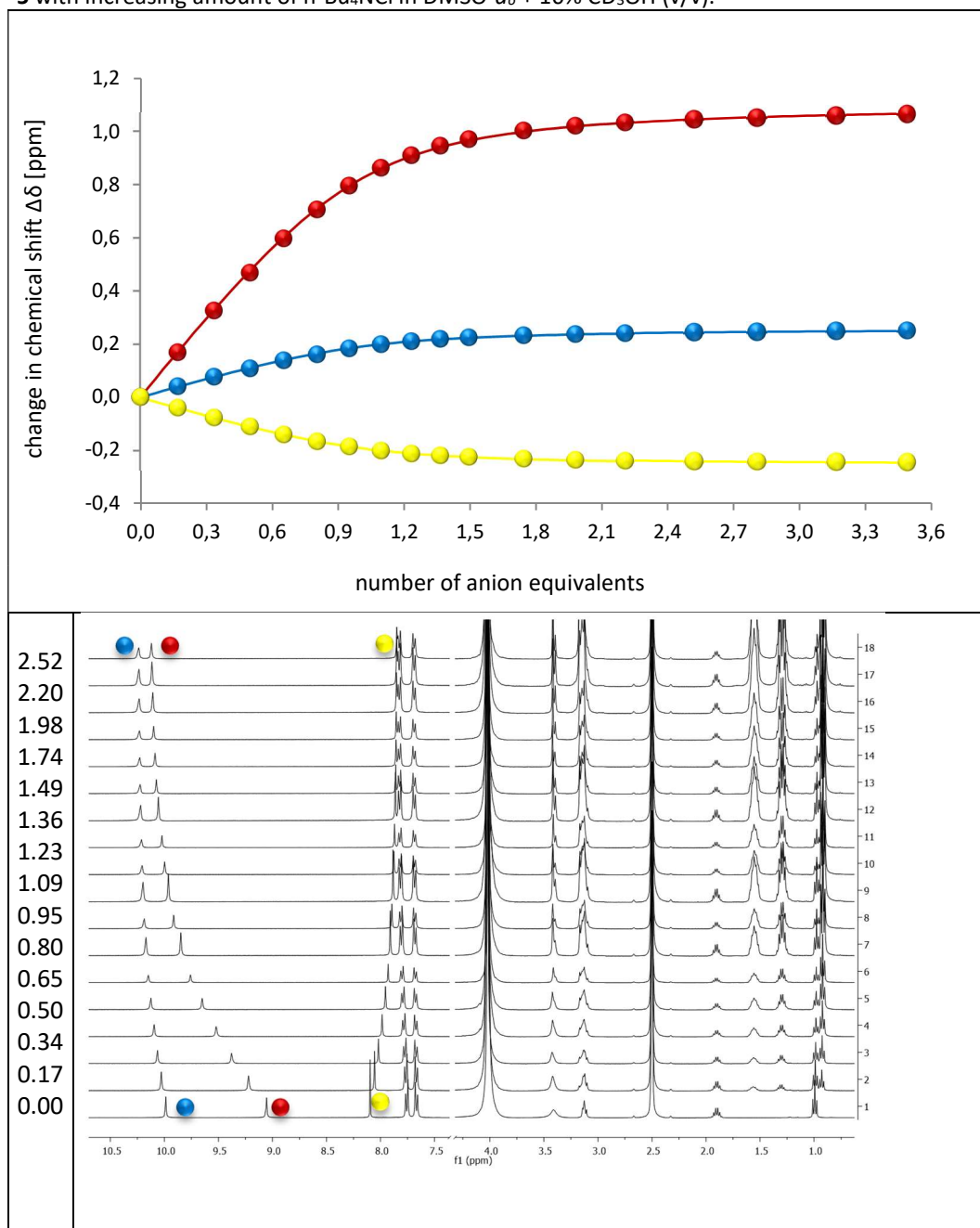


Table S9. Corresponding experimental chemical shift changes (symbols) and calculated binding isotherms (lines) assuming 1:1 binding model; Stacked plots from ^1H NMR titrations of Receptor **5** with increasing amount of $n\text{-Bu}_4\text{NCO}_2\text{Me}$ in $\text{DMSO-}d_6 + 10\% \text{CD}_3\text{OH}$ (v/v).

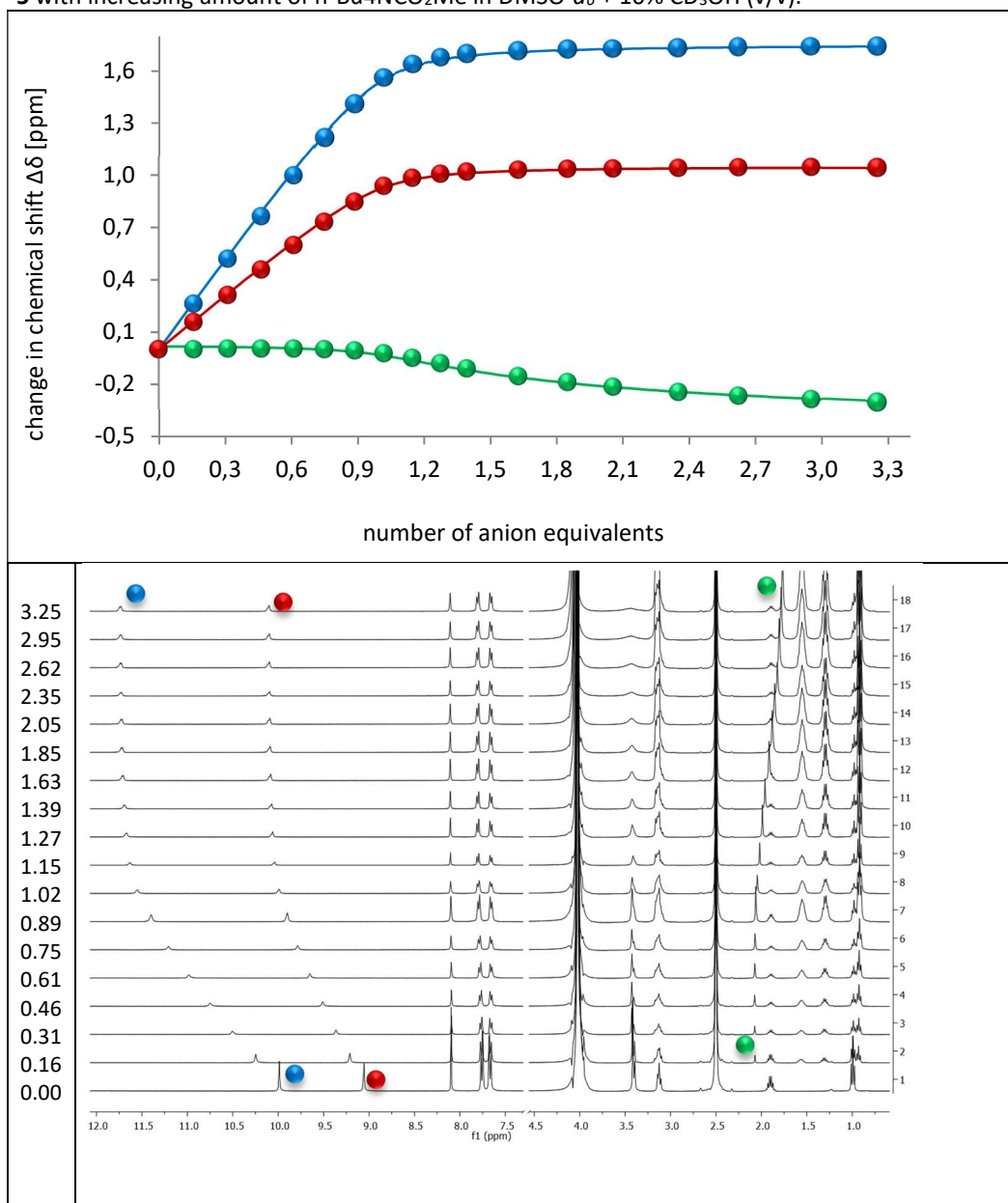


Table S10. Corresponding experimental chemical shift changes (symbols) and calculated binding isotherms (lines) assuming 1:1 binding model; Stacked plots from ^1H NMR titrations of Receptor **5** with increasing amount of $n\text{-Bu}_4\text{NCO}_2\text{Ph}$ in $\text{DMSO-}d_6 + 10\% \text{CD}_3\text{OH}$ (v/v).

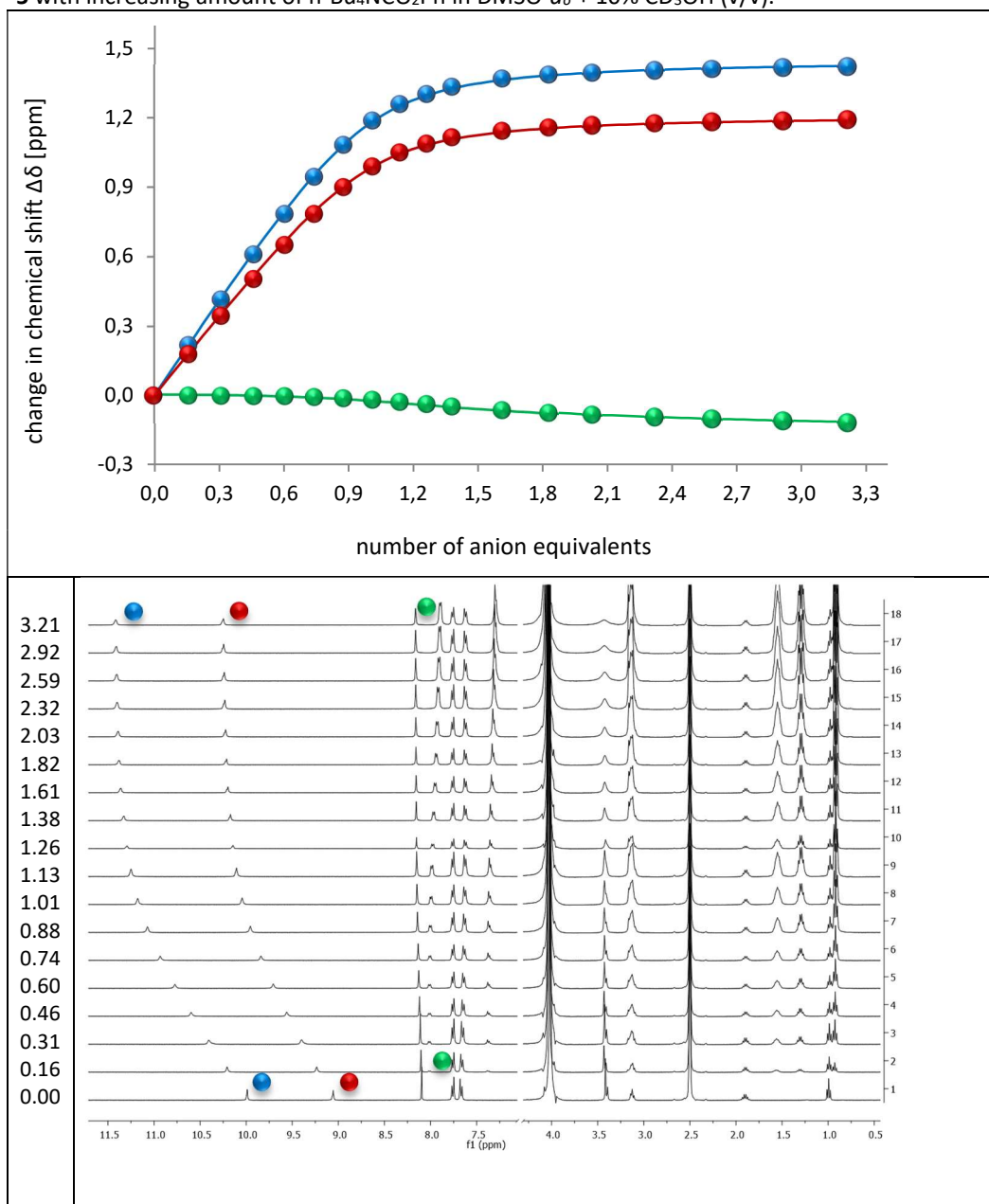


Table S11. Corresponding experimental chemical shift changes (symbols) and calculated binding isotherms (lines) assuming 1:1 binding model; Stacked plots from ^1H NMR titrations of Receptor **5** with increasing amount of $n\text{-Bu}_4\text{NH}_2\text{PO}_4$ in $\text{DMSO-}d_6 + 10\% \text{CD}_3\text{OH}$ (v/v).

Fitting failed due to a complex binding model

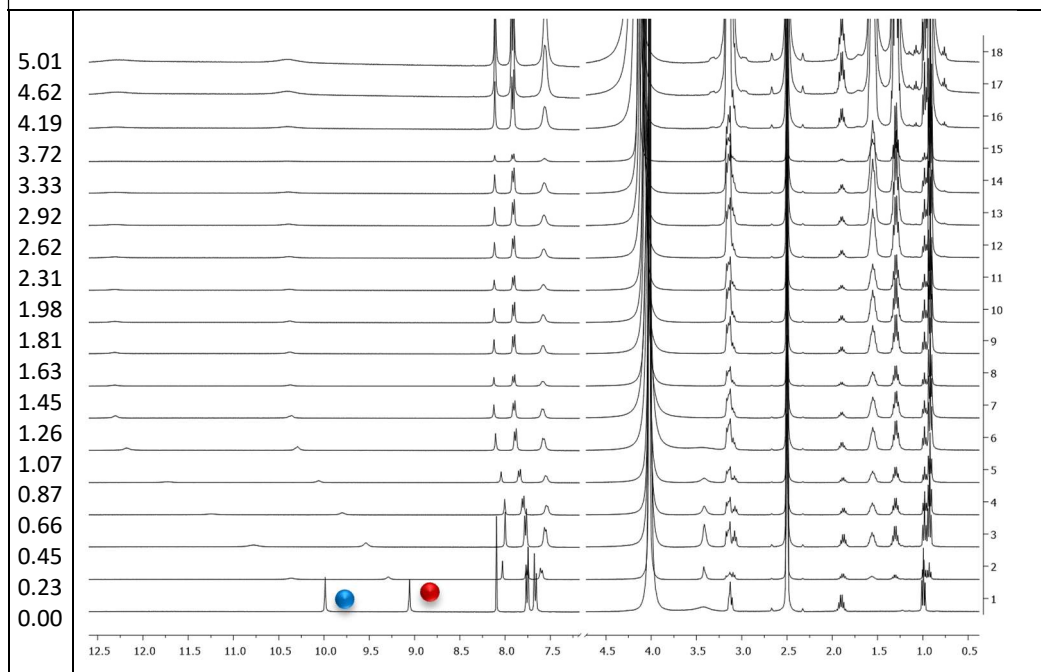


Table S12. Corresponding experimental chemical shift changes (symbols) and calculated binding isotherms (lines) assuming 1:1 binding model; Stacked plots from ^1H NMR titrations of Receptor **6** with increasing amount of $n\text{-Bu}_4\text{NCl}$ in $\text{DMSO-}d_6 + 0.5\% \text{H}_2\text{O}$ (v/v).

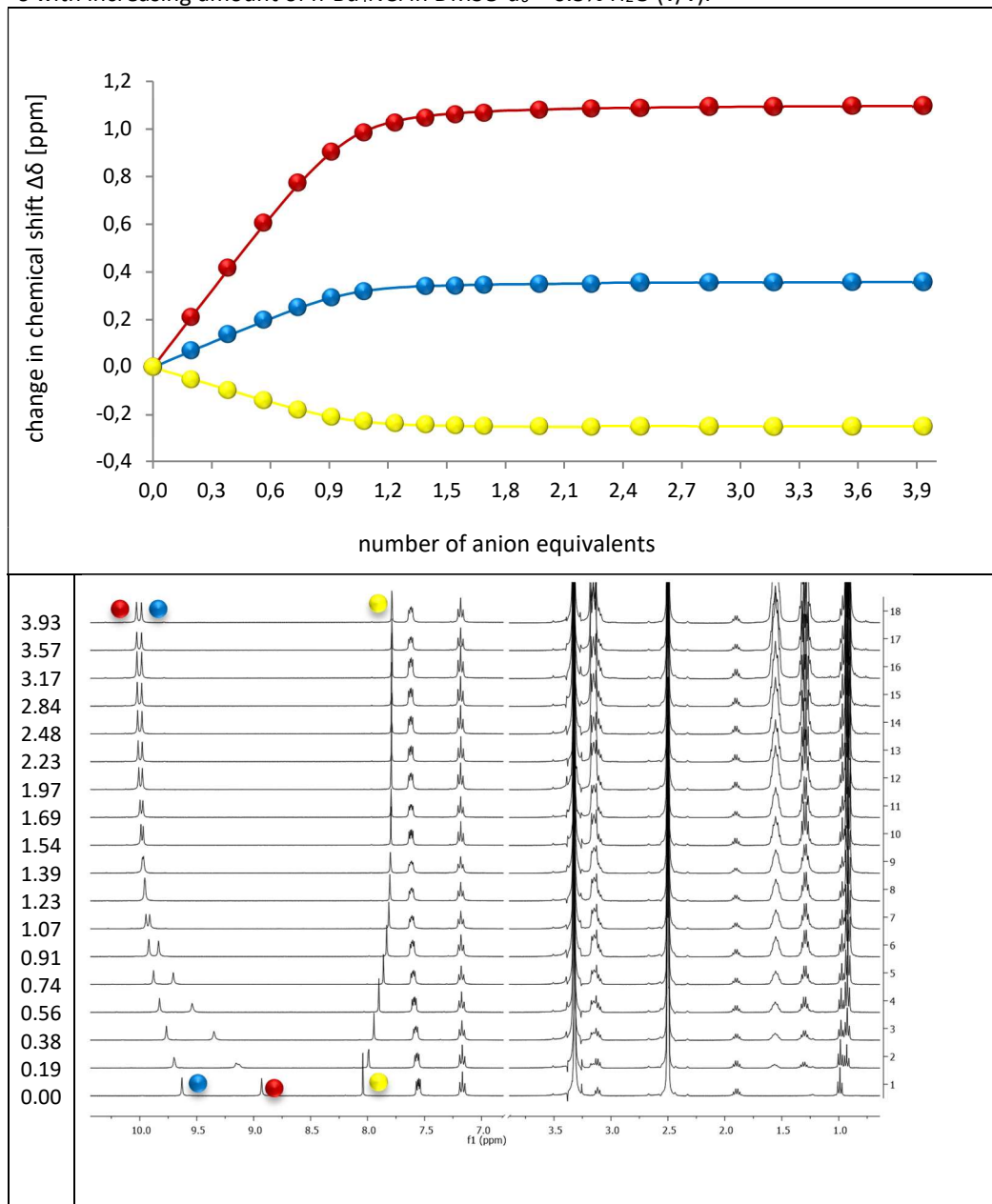


Table S13. Corresponding experimental chemical shift changes (symbols) and calculated binding isotherms (lines) assuming 1:1 binding model; Stacked plots from ^1H NMR titrations of Receptor **6** with increasing amount of $n\text{-Bu}_4\text{NCO}_2\text{Me}$ in $\text{DMSO-}d_6 + 0.5\% \text{H}_2\text{O}$ (v/v).

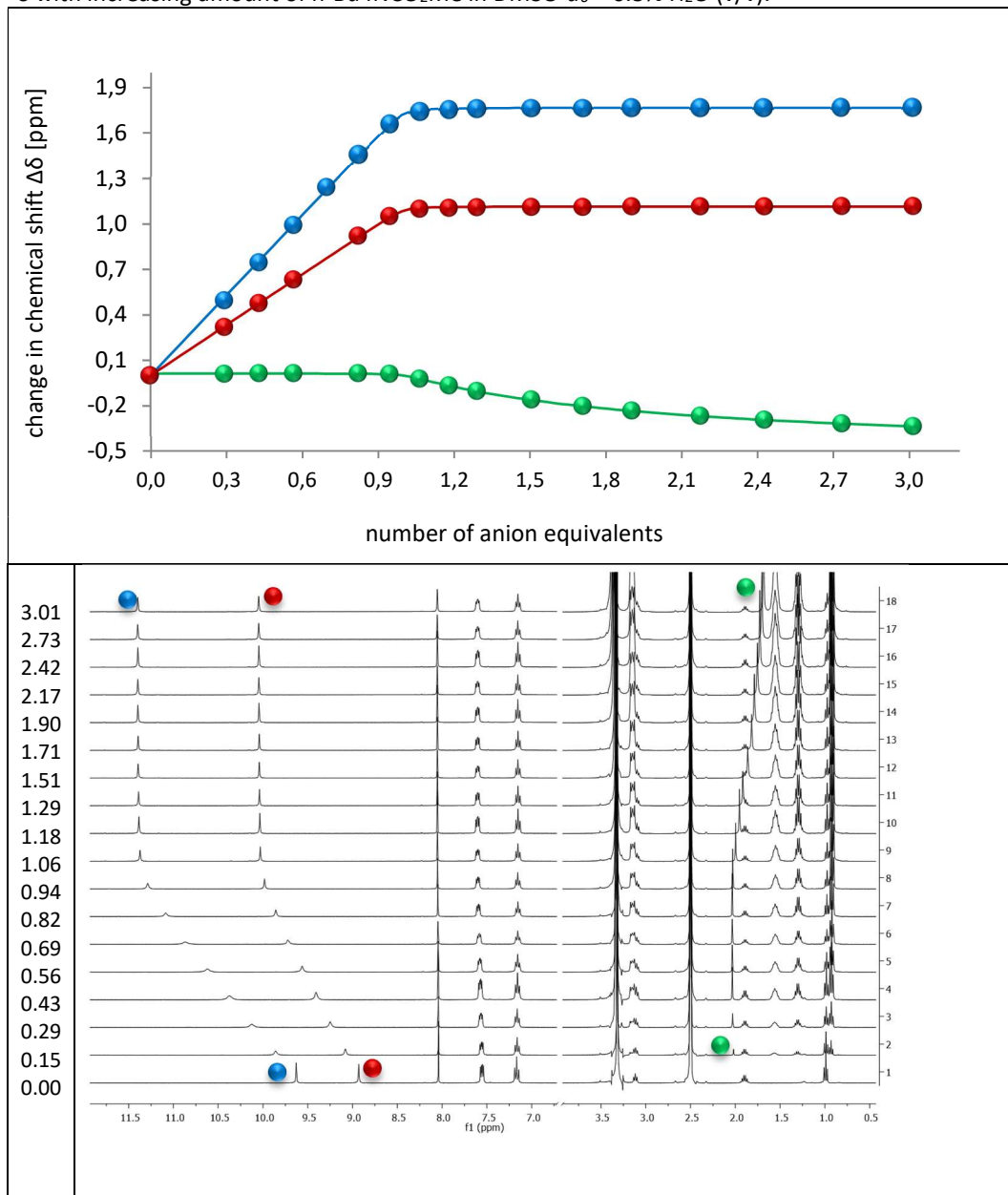


Table S14. Corresponding experimental chemical shift changes (symbols) and calculated binding isotherms (lines) assuming 1:1 binding model; Stacked plots from ^1H NMR titrations of Receptor **6** with increasing amount of $n\text{-Bu}_4\text{NCO}_2\text{Ph}$ in $\text{DMSO-}d_6 + 0.5\%$ H_2O (v/v).

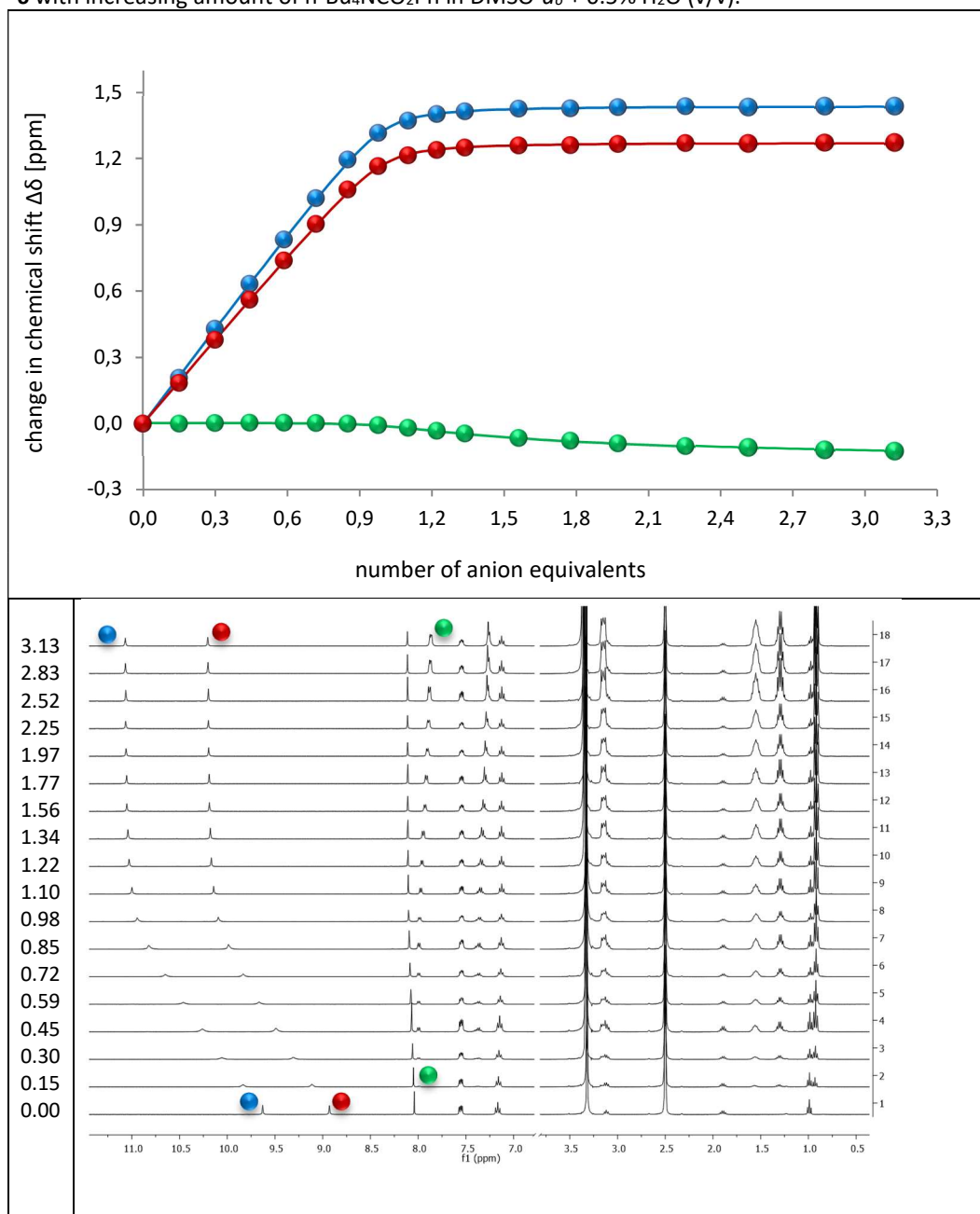


Table S15. Corresponding experimental chemical shift changes (symbols) and calculated binding isotherms (lines) assuming 1:1 binding model; Stacked plots from ^1H NMR titrations of Receptor **6** with increasing amount of $n\text{-Bu}_4\text{NH}_2\text{PO}_4$ in $\text{DMSO-}d_6 + 0.5\% \text{H}_2\text{O}$ (v/v).

Fitting failed due to a complex binding model

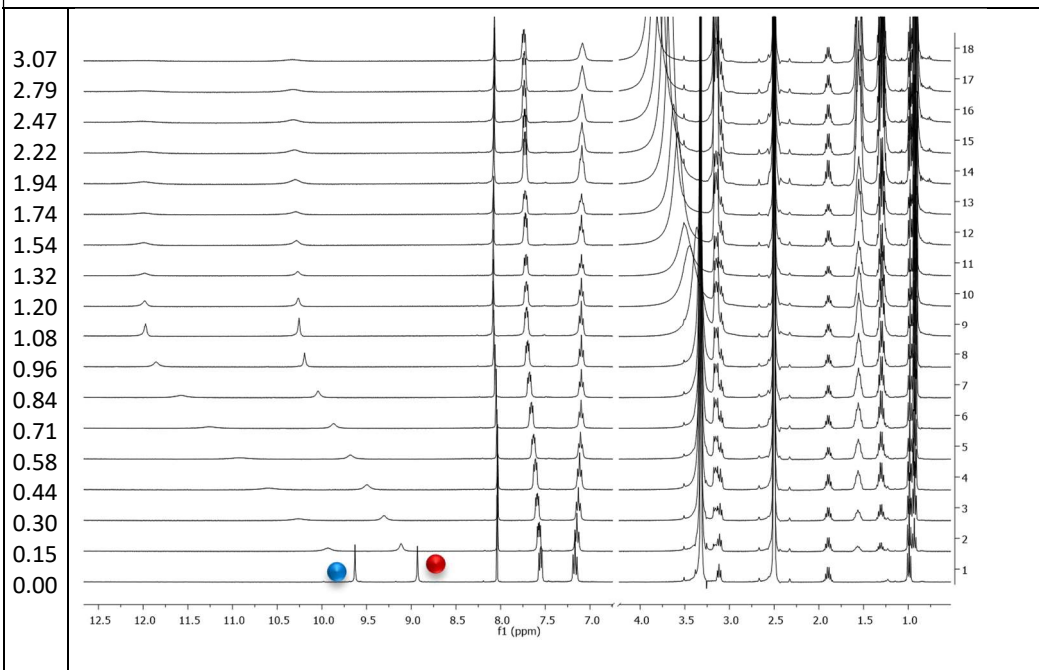


Table S16. Corresponding experimental chemical shift changes (symbols) and calculated binding isotherms (lines) assuming 1:1 binding model; Stacked plots from ^1H NMR titrations of Receptor **6** with increasing amount of $n\text{-Bu}_4\text{NCl}$ in $\text{DMSO-}d_6 + 10\% \text{CD}_3\text{OH}$ (v/v).

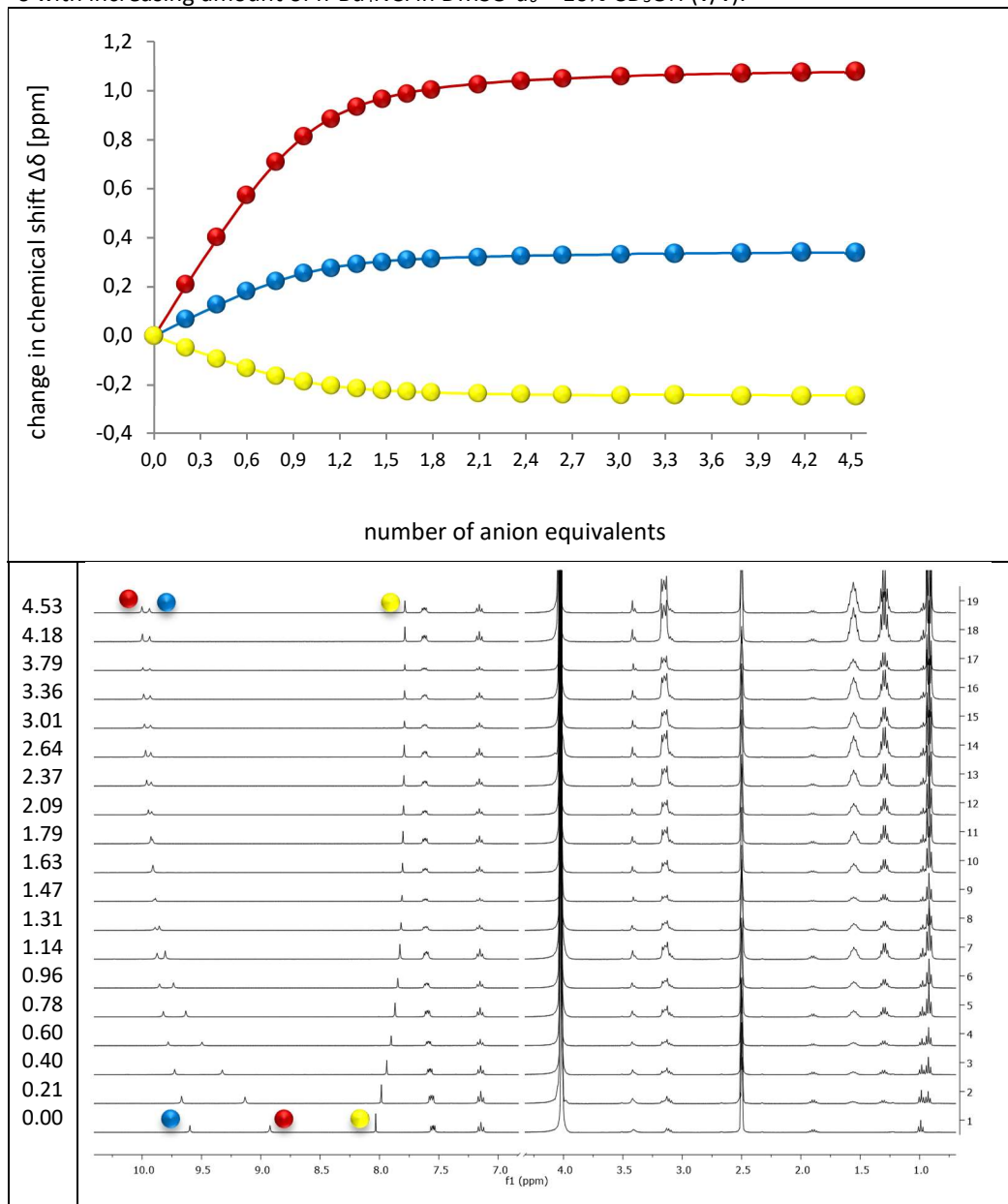


Table S17. Corresponding experimental chemical shift changes (symbols) and calculated binding isotherms (lines) assuming 1:1 binding model; Stacked plots from ^1H NMR titrations of Receptor **6** with increasing amount of $n\text{-Bu}_4\text{NCO}_2\text{Me}$ in $\text{DMSO-}d_6 + 10\% \text{CD}_3\text{OH}$ (v/v).

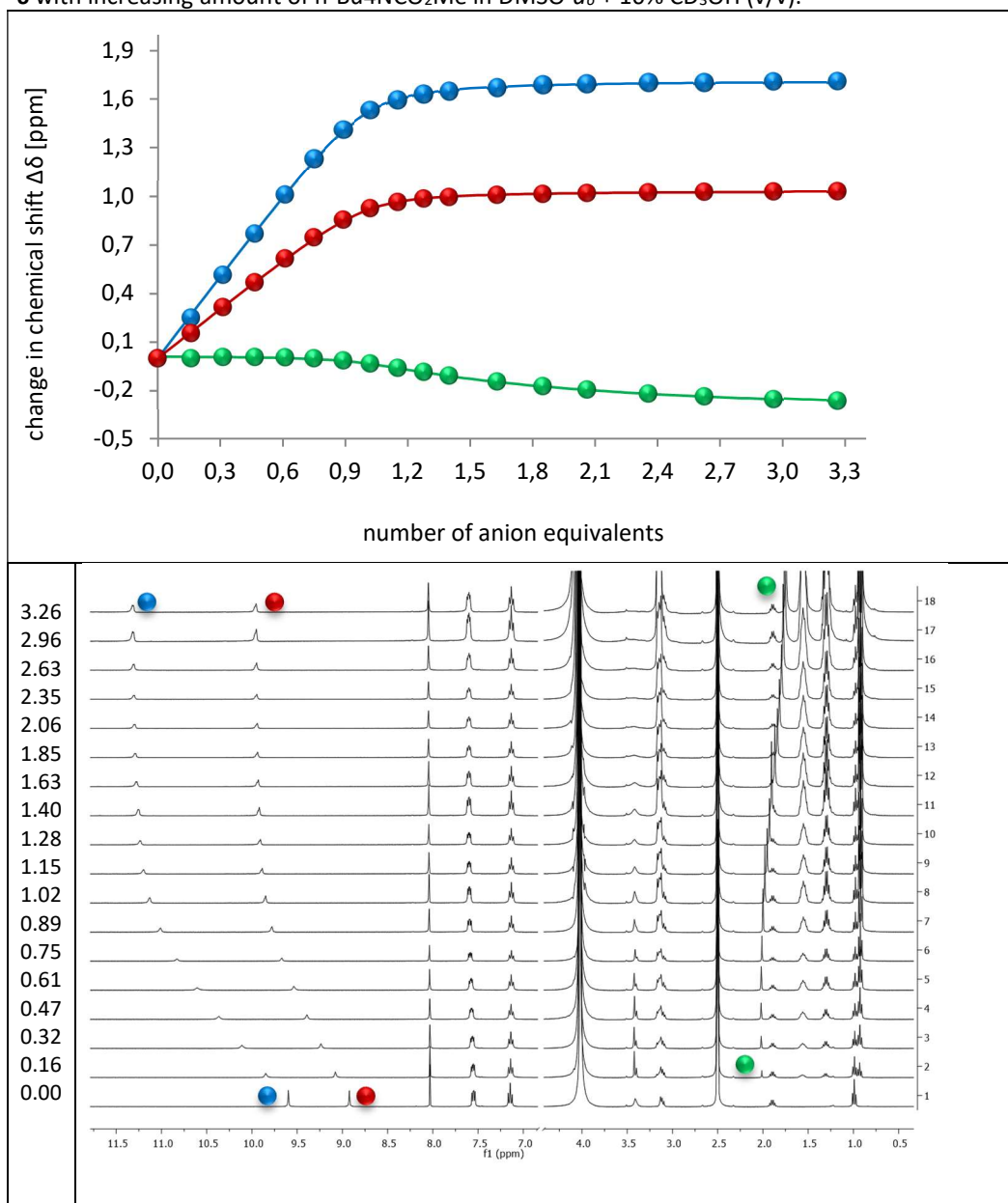


Table S18. Corresponding experimental chemical shift changes (symbols) and calculated binding isotherms (lines) assuming 1:1 binding model; Stacked plots from ^1H NMR titrations of Receptor **6** with increasing amount of $n\text{-Bu}_4\text{NCO}_2\text{Ph}$ in $\text{DMSO-}d_6 + 10\% \text{CD}_3\text{OH}$ (v/v).

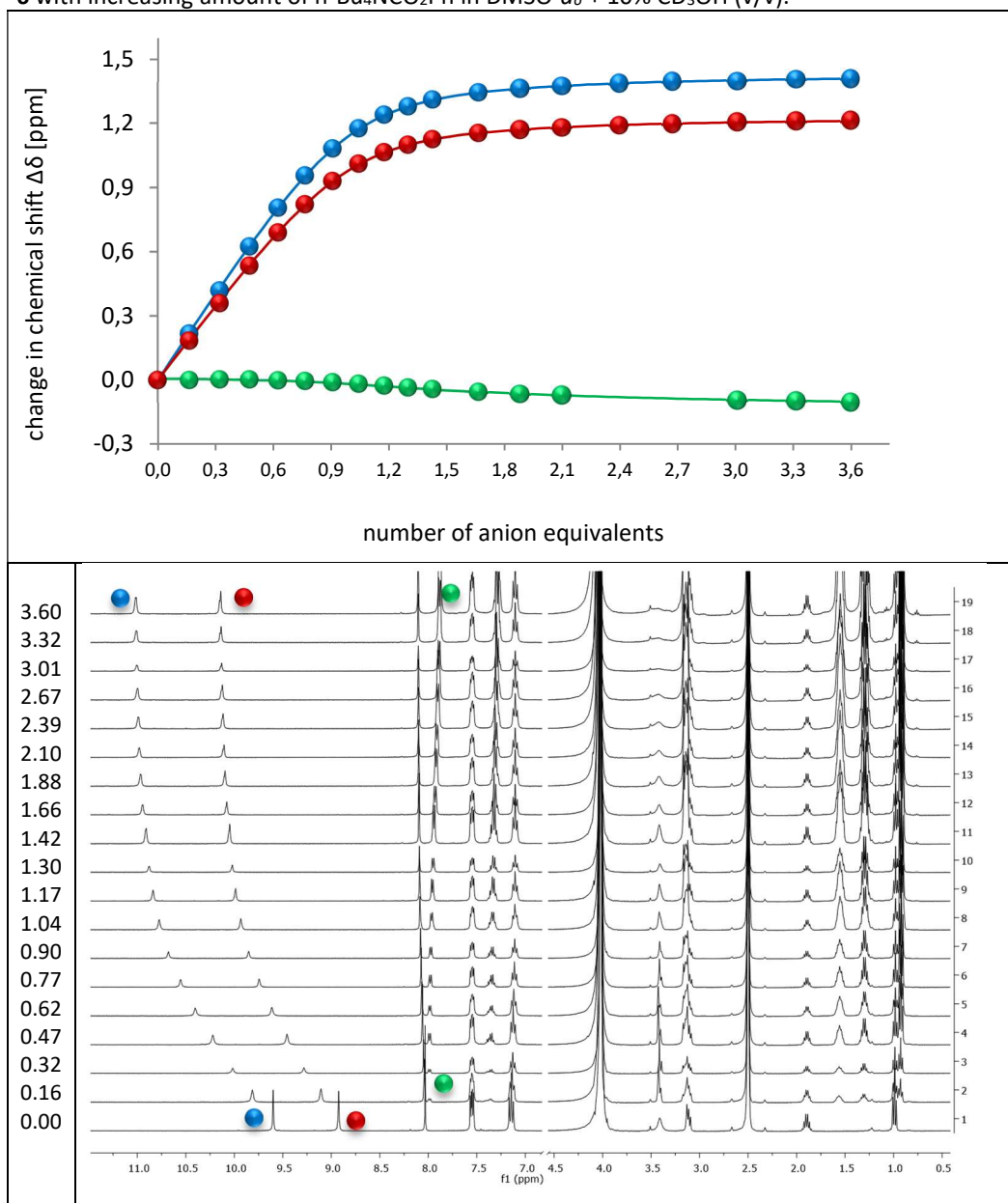


Table S19. Corresponding experimental chemical shift changes (symbols) and calculated binding isotherms (lines) assuming 1:1 binding model; Stacked plots from ^1H NMR titrations of Receptor **6** with increasing amount of $n\text{-Bu}_4\text{NH}_2\text{PO}_4$ in $\text{DMSO-}d_6 + 10\% \text{CD}_3\text{OH}$ (v/v).

Fitting failed due to a complex binding model

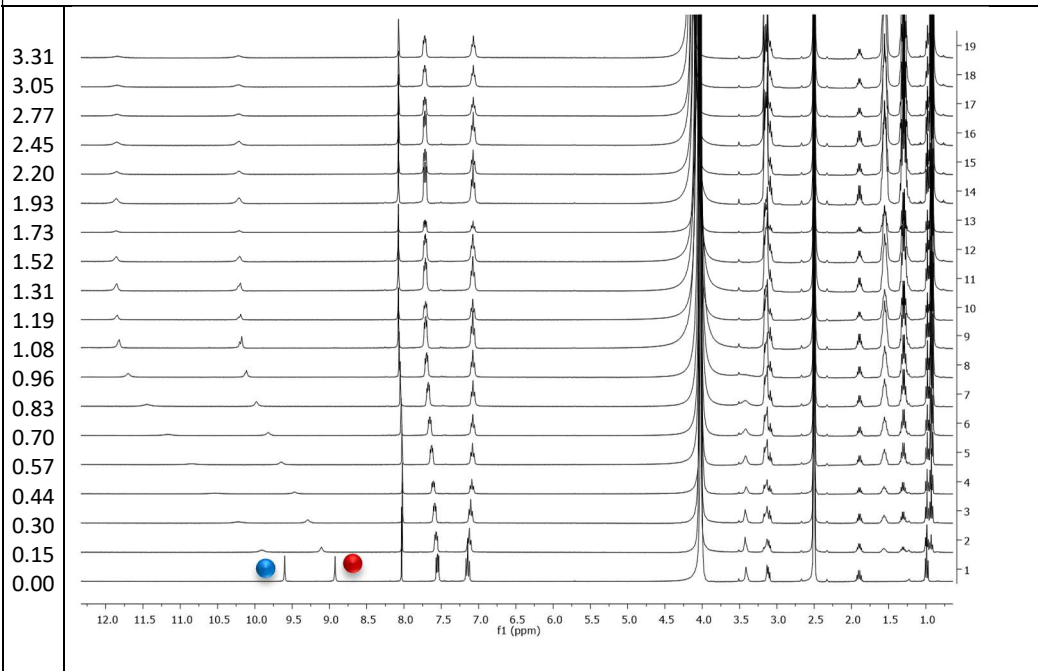


Table S20. Corresponding experimental chemical shift changes (symbols) and calculated binding isotherms (lines) assuming 1:1 binding model; Stacked plots from ^1H NMR titrations of Receptor **7** with increasing amount of $n\text{-Bu}_4\text{NCl}$ in $\text{DMSO-}d_6 + 0.5\% \text{H}_2\text{O}$ (v/v).

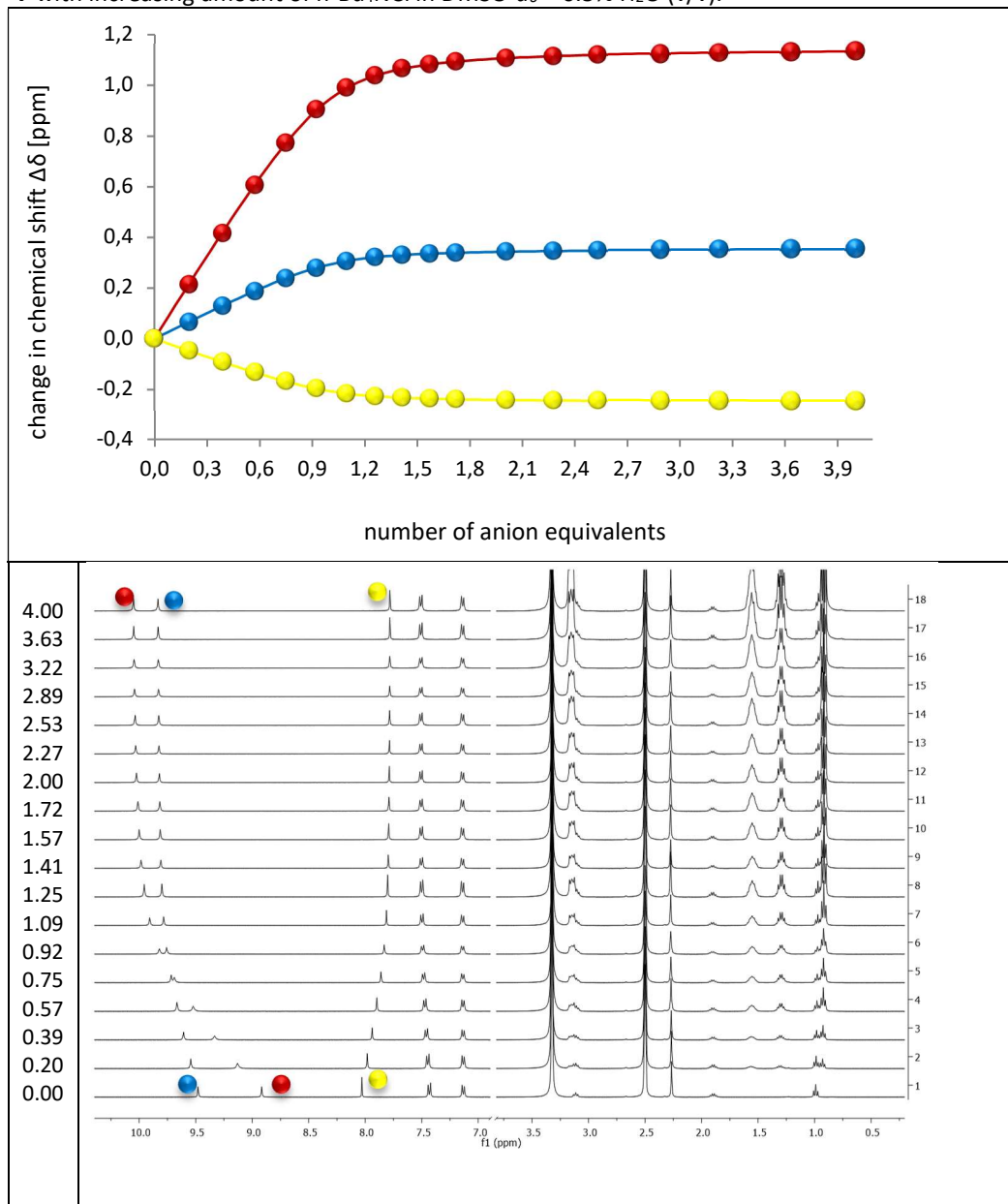


Table S21. Corresponding experimental chemical shift changes (symbols) and calculated binding isotherms (lines) assuming 1:1 binding model; Stacked plots from ^1H NMR titrations of Receptor **7** with increasing amount of n-Bu $_4\text{NCO}_2\text{Me}$ in DMSO- d_6 + 0.5% H $_2\text{O}$ (v/v).

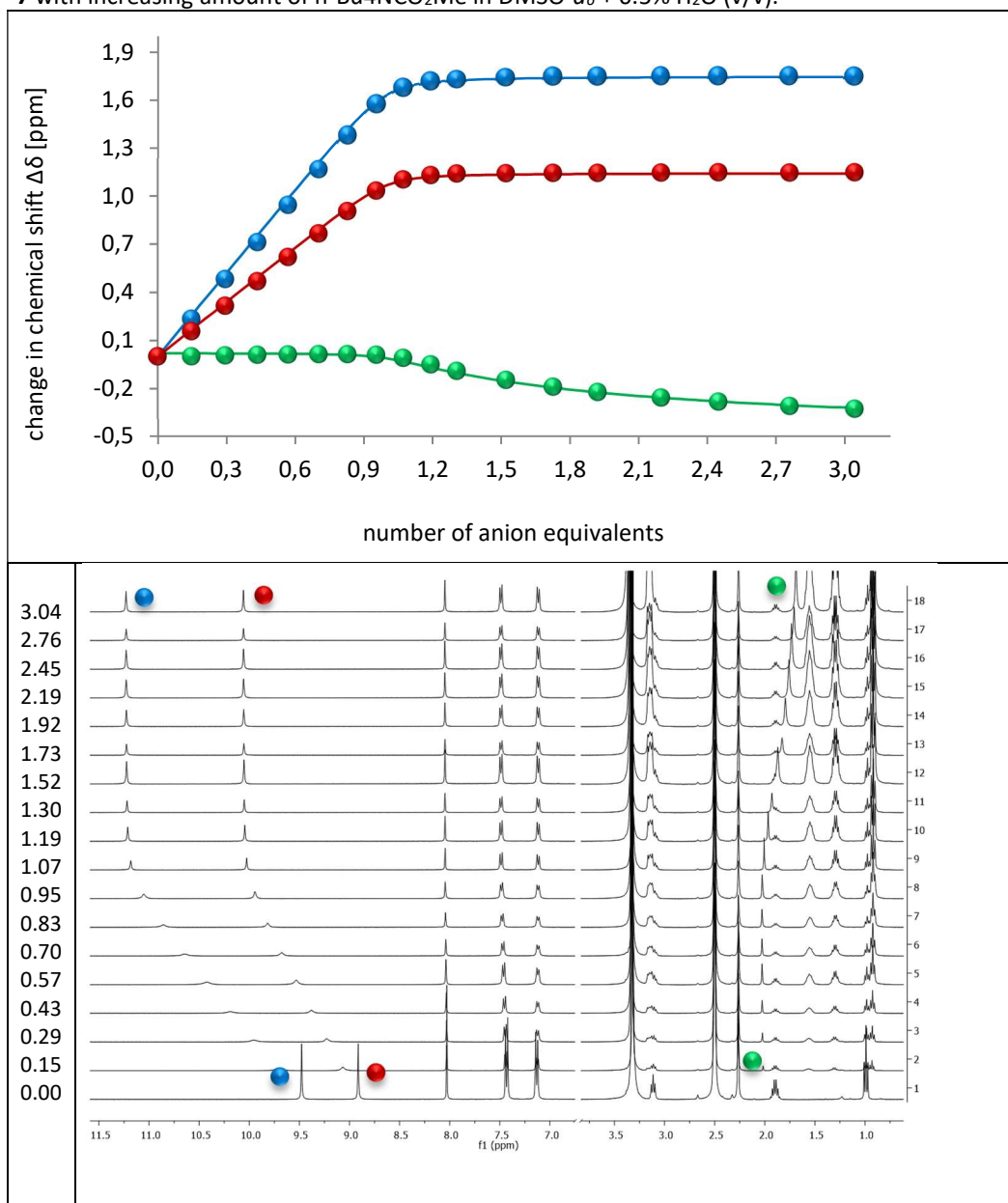


Table S22. Corresponding experimental chemical shift changes (symbols) and calculated binding isotherms (lines) assuming 1:1 binding model; Stacked plots from ^1H NMR titrations of Receptor **7** with increasing amount of $n\text{-Bu}_4\text{NH}_2\text{PO}_4$ in $\text{DMSO-}d_6 + 0.5\%$ H_2O (v/v).

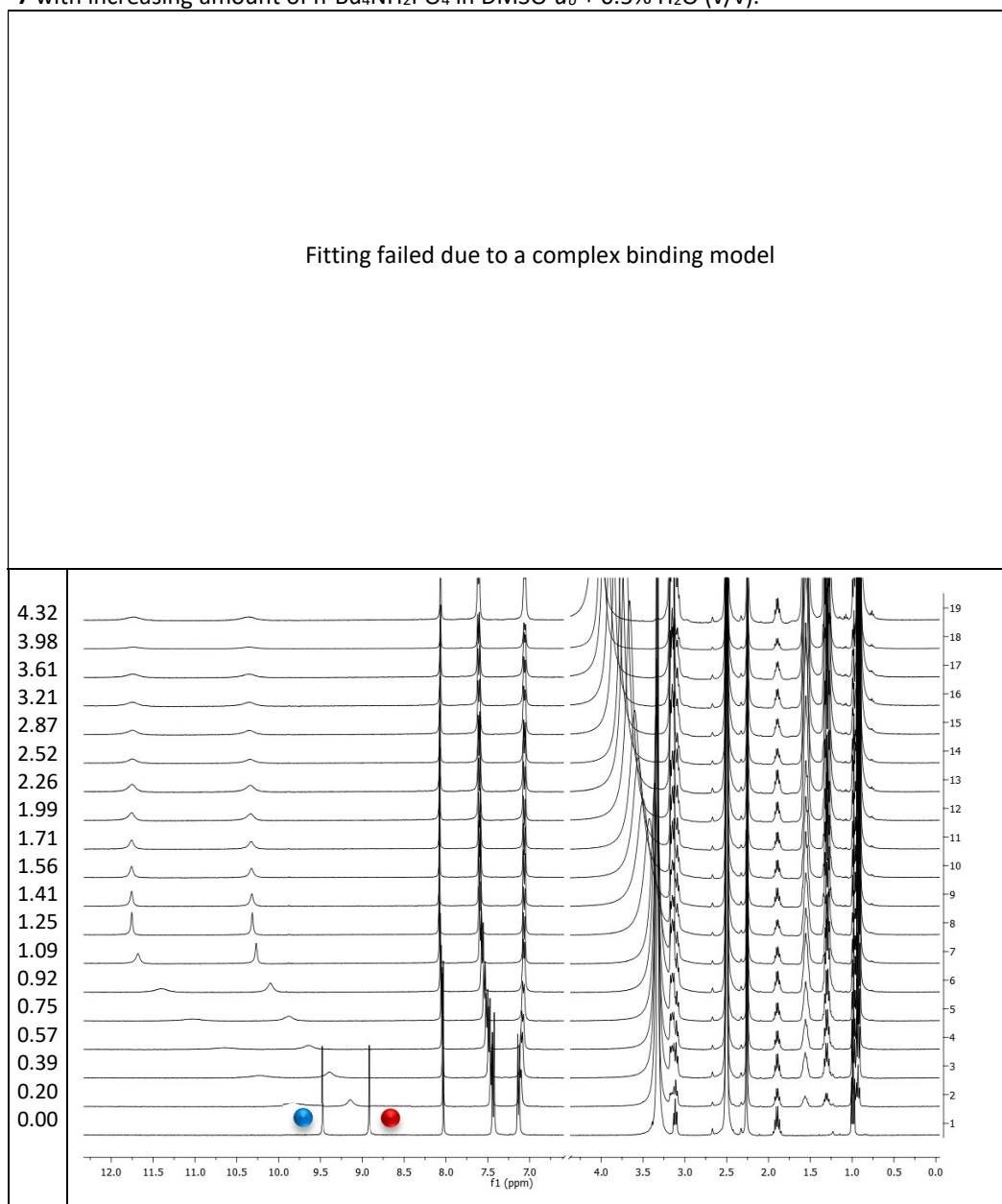


Table S23. Corresponding experimental chemical shift changes (symbols) and calculated binding isotherms (lines) assuming 1:1 binding model; Stacked plots from ^1H NMR titrations of Receptor **7** with increasing amount of $n\text{-Bu}_4\text{NCl}$ in $\text{DMSO-}d_6 + 10\% \text{CD}_3\text{OH}$ (v/v).

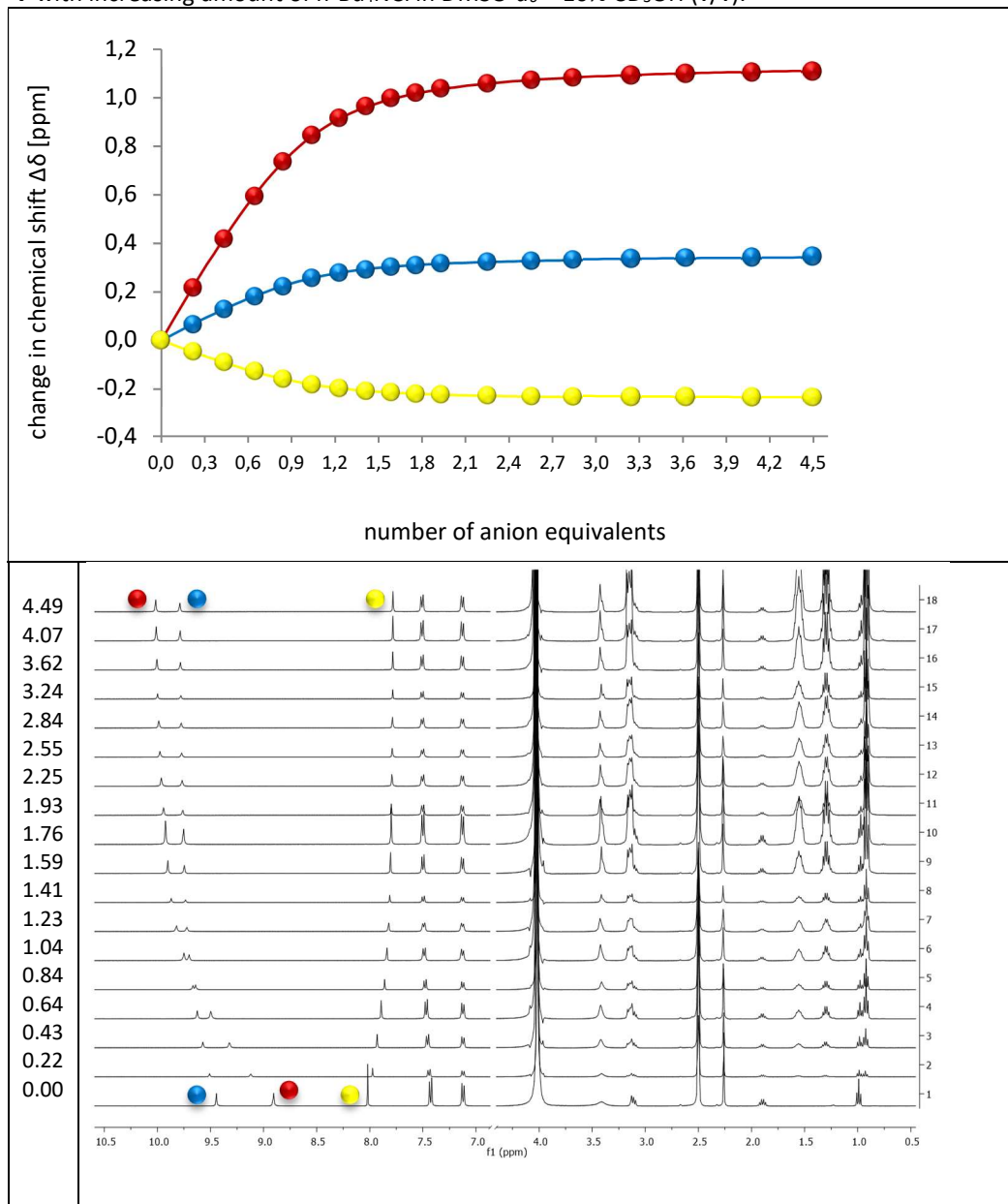


Table S24. Corresponding experimental chemical shift changes (symbols) and calculated binding isotherms (lines) assuming 1:1 binding model; Stacked plots from ^1H NMR titrations of Receptor **7** with increasing amount of $n\text{-Bu}_4\text{NCO}_2\text{Me}$ in $\text{DMSO-}d_6 + 10\% \text{CD}_3\text{OH}$ (v/v).

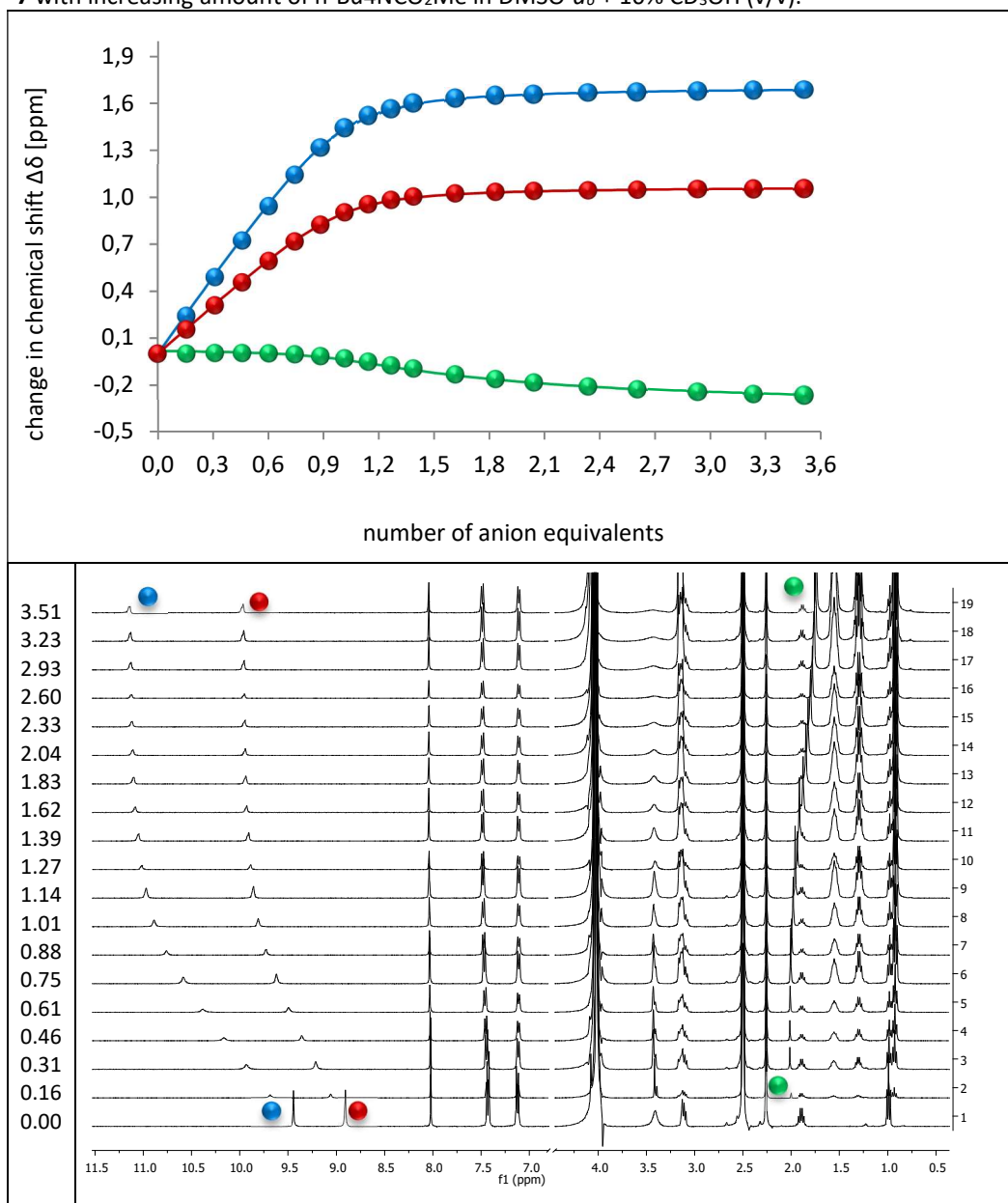
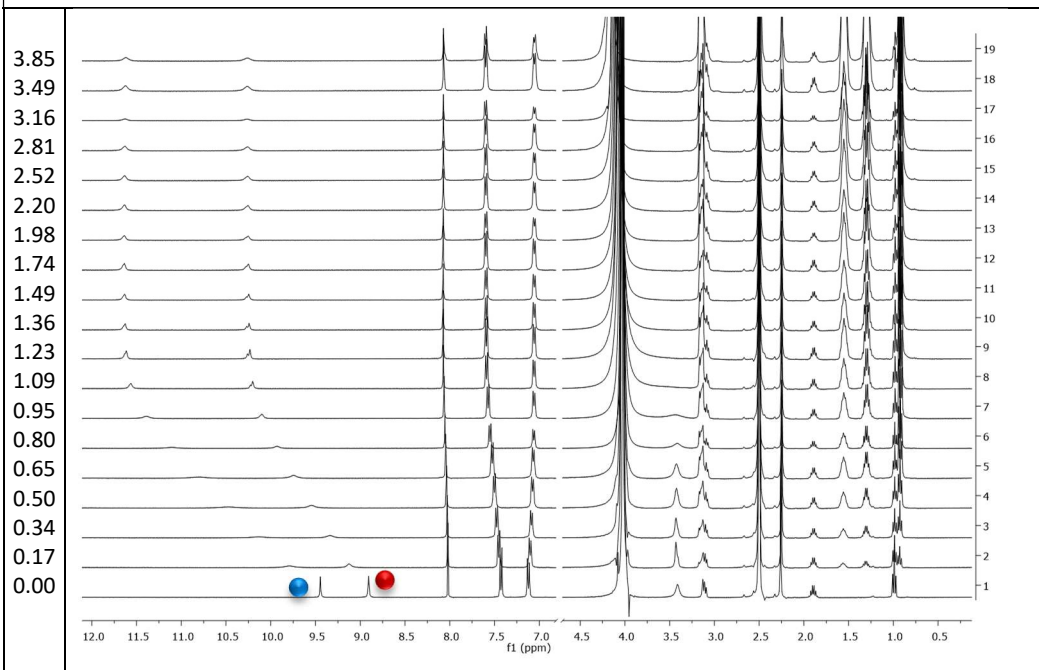


Table S25. Corresponding experimental chemical shift changes (symbols) and calculated binding isotherms (lines) assuming 1:1 binding model; Stacked plots from ^1H NMR titrations of Receptor **7** with increasing amount of $n\text{-Bu}_4\text{NH}_2\text{PO}_4$ in $\text{DMSO-}d_6 + 10\% \text{CD}_3\text{OH}$ (v/v).

Fitting failed due to a complex binding model



6. Cartesian coordinates of calculated structures

Table S26. Cartesian coordinates of the studied structures; all values in Hartrees (@298.15K); energies for Cl⁻, MeCO₂⁻, and PhCO₂⁻ are -460.351275, -228.487930, and -420.111546, respectively.

Receptor 2 $\Delta G^0 = -2076.65198$ au				Receptor 3 $\Delta G^0 = -2224.28751$ au				Receptor 4 $\Delta G^0 = -2633.15986$ au			
C	-0.104806	-0.001085	-4.315002	C	-0.405838	0.425268	-4.177602	C	-0.417267	0.468169	-4.602083
N	-0.610128	-0.000846	-1.471477	N	-0.261372	0.157942	-1.305093	N	-0.274284	0.198180	-1.728911
C	-0.236170	-1.172094	-3.567365	C	-0.590361	-0.791121	-3.517794	C	-0.617221	-0.745640	-3.942211
C	-0.237881	1.170016	-3.567763	C	-0.141844	1.500615	-3.327276	C	-0.139353	1.539526	-3.751417
C	-0.485842	1.126143	-2.174801	C	-0.081307	1.325771	-1.924230	C	-0.081079	1.363586	-2.348371
C	-0.483943	-1.127906	-2.174349	C	-0.510464	-0.878063	-2.107576	C	-0.536355	-0.833901	-2.532244
S	-0.137609	-2.816578	-4.136557	S	-0.927226	-2.350001	-4.223462	S	-0.975459	-2.299301	-4.648245
S	-0.140964	2.814323	-4.137688	S	0.150152	3.163883	-3.763890	S	0.173913	3.198937	-4.188186
C	-0.425619	-3.433696	-2.521103	C	-0.962985	-3.103045	-2.641586	C	-1.017262	-3.053142	-3.068440
H	-0.455766	-4.501137	-2.367338	H	-1.154322	-4.162737	-2.572380	H	-1.221316	-4.110609	-3.000061
C	-0.589869	-2.454721	-1.593073	C	-0.730132	-2.230246	-1.626991	C	-0.770649	-2.183779	-2.054561
C	-0.430612	3.431788	-2.522665	C	0.345269	3.613234	-2.082133	C	0.372741	3.646334	-2.507899
H	-0.462152	4.499245	-2.369268	H	0.559068	4.642350	-1.839052	H	0.597945	4.673183	-2.265148
C	-0.594038	2.453033	-1.594268	C	0.199229	2.567770	-1.227244	C	0.213075	2.602816	-1.653505
C	0.214845	-0.000545	-5.782163	C	-0.425338	0.553377	-5.673714	C	-0.433186	0.595392	-6.098086
H	-0.234790	0.880727	-6.256570	H	-0.791078	1.548908	-5.954405	H	-0.782352	1.596301	-6.380669
H	-0.231725	-0.882921	-6.257295	H	-1.127291	-0.175686	-6.097268	H	-1.145846	-0.123007	-6.521877
C	1.732623	0.002489	-6.033176	C	0.970180	0.332412	-6.282760	C	0.960118	0.350291	-6.702747
H	2.176688	-0.880776	-5.558067	H	1.332138	-0.663271	-5.999144	H	1.306056	-0.649285	-6.412609
H	2.174438	0.881903	-5.548917	H	1.668771	1.060779	-5.853368	H	1.668543	1.070194	-6.275242
C	2.051049	0.010921	-7.525701	C	0.941741	0.466597	-7.802891	C	0.937993	0.476287	-8.223582
H	3.131731	0.011192	-7.697606	H	1.936546	0.309924	-8.230649	H	1.931523	0.300684	-8.646902
H	1.630052	0.900409	-8.007417	H	0.598042	1.464149	-8.098232	H	0.611816	1.477550	-8.526014
H	1.628726	-0.871938	-8.018308	H	0.261548	-0.269477	-8.245524	H	0.247348	-0.251315	-8.663926
N	-0.832528	-2.542716	-0.227663	N	-0.671221	-2.440204	-0.253117	N	-0.706930	-2.399144	-0.680152
H	-0.927547	-1.651740	0.251053	H	-0.489866	-1.606020	0.298741	H	-0.506305	-1.569824	-0.127136
N	-0.838917	2.541645	-0.229218	N	0.275917	2.521360	0.160801	N	0.285324	2.559916	-0.263338
H	-0.933473	1.650984	0.250197	H	0.123325	1.602021	0.565998	H	0.119344	1.643820	0.145062
C	-1.003884	-3.718346	0.472045	C	-0.820839	-3.662586	0.358348	C	-0.862129	-3.619182	-0.078673
C	-1.003494	3.717955	0.471091	C	0.512470	3.609975	0.966931	C	0.524898	3.647698	0.533092
O	-0.931359	-4.819932	-0.080576	O	-1.047958	-4.687195	-0.281525	O	-1.111344	-4.640049	-0.710325
O	-0.923790	4.819390	-0.080862	O	0.698379	4.733603	0.504821	O	0.725186	4.768134	0.077229
C	-1.317703	-4.712863	2.687262	C	-0.778182	-4.676277	2.639961	C	-0.791268	-4.634529	2.193595
H	-1.912765	-4.426502	3.559600	C	-0.917433	-6.666800	4.619477	C	-0.913104	-6.615970	4.131667
H	-1.847947	-5.520413	2.174142	C	-1.143654	-5.984710	2.295511	C	-1.146302	-5.947719	1.835054
C	0.068233	-5.185037	3.123147	C	-0.485375	-4.374899	3.979750	C	-0.502502	-4.338443	3.541157
H	0.582444	-4.361638	3.637072	C	-0.556185	-5.360737	4.957182	C	-0.560968	-5.321025	4.510718
H	0.659180	-5.428007	2.230155	C	-1.207453	-6.963309	3.289470	C	-1.205577	-6.934352	2.809268
C	-0.004407	-6.402862	4.042544	H	-1.374574	-6.234258	1.269894	H	-1.372737	-6.192354	0.808155
H	-0.615964	-6.157381	4.921004	H	-0.202192	-3.360358	4.250411	H	-0.228960	-3.325074	3.820853
H	-0.520823	-7.218794	3.519960	H	-0.325782	-5.104152	5.987255	H	-0.336404	-5.090984	5.545570
C	1.377336	-6.873719	4.493075	H	-1.492086	-7.973483	3.007973	H	-1.478639	-7.948017	2.539796
H	1.898908	-6.080254	5.040161	H	-0.972755	-7.438147	5.381579	C	0.710513	4.227764	2.946938
H	1.994836	-7.146950	3.629990	C	0.720372	4.187815	3.387222	C	1.064034	5.820552	5.191230
H	1.308811	-7.747265	5.149131	C	1.097403	5.780008	5.672458	C	0.589692	3.681469	4.240736

C	-1.314143	4.713756	2.686175	C	0.603979	3.634396	4.672417	C	1.017521	5.592671	2.799211
H	-1.908013	4.428764	3.559756	C	1.029884	5.548041	3.251935	C	1.192546	6.383967	3.925662
H	-1.843410	5.522743	2.174273	C	1.213444	6.326554	4.396306	C	0.764469	4.469375	5.362013
C	0.073813	5.182576	3.119338	C	0.791566	4.423450	5.801008	H	0.354513	2.627364	4.357804
H	0.587095	4.357858	3.632057	H	0.364968	2.578855	4.780185	H	1.117373	6.028072	1.816322
H	0.663543	5.424363	2.225259	H	1.126093	5.990715	2.270944	H	1.428333	7.436487	3.818593
C	0.005772	6.400418	4.039010	H	1.452327	7.379818	4.276572	H	0.669006	4.046553	6.355242
H	-0.604664	6.156137	4.918596	H	0.696040	3.973136	6.784910	N	-0.707579	-3.576231	1.294015
H	-0.509757	7.217639	3.517556	H	1.243089	6.398021	6.553205	H	-0.472135	-2.678299	1.704479
C	1.389635	6.867827	4.486716	N	-0.691806	-3.611948	1.723065	N	0.515602	3.352050	1.883061
H	1.910187	6.073136	5.032954	H	-0.470651	-2.711221	2.133832	H	0.315396	2.392293	2.145019
H	1.324732	7.741768	5.142624	N	0.518527	3.310330	2.305399	N	1.244242	6.660097	6.363707
H	2.006027	7.139084	3.622220	H	0.327103	2.348875	2.565344	O	1.121711	6.148774	7.469132
N	-1.282569	-3.563773	1.793342					O	1.508839	7.843304	6.197701
H	-1.179720	-2.647163	2.211972					N	-0.975210	-7.657694	5.143227
N	-1.283484	3.564487	1.792251					O	-1.297133	-8.786686	4.797806
H	-1.188430	2.646879	2.210529					O	-0.702757	-7.362234	6.299444

Receptor 5 $\Delta G^0 = -2898.17201$ au				Receptor 6 $\Delta G^0 = -2422.71753$ au				Receptor 7 $\Delta G^0 = -2302.83125$ au			
C	-0.420198	0.480790	-4.803589	C	-0.413275	0.427067	-4.179725	C	-0.420548	0.478890	-4.810129
N	-0.295492	0.217532	-1.929363	N	-0.262611	0.157004	-1.307990	N	-0.285943	0.214346	-1.937448
C	-0.607067	-0.734831	-4.143314	C	-0.569210	-0.794527	-3.522433	C	-0.610460	-0.736305	-4.149856
C	-0.164899	1.557678	-3.952834	C	-0.175699	1.506844	-3.327412	C	-0.157392	1.554666	-3.960296
C	-0.113967	1.384817	-2.549083	C	-0.110359	1.330103	-1.924637	C	-0.101236	1.381205	-2.556982
C	-0.536765	-0.819751	-2.732579	C	-0.487939	-0.882616	-2.112685	C	-0.535231	-0.821819	-2.739543
S	-0.935180	-2.295030	-4.850020	S	-0.869350	-2.359156	-4.232249	S	-0.946541	-2.295423	-4.855042
S	0.126759	3.220595	-4.390262	S	0.074041	3.177137	-3.760402	S	0.139563	3.216654	-4.397632
C	-0.980328	-3.046559	-3.268493	C	-0.888237	-3.116330	-2.652215	C	-0.987317	-3.047124	-3.272371
H	-1.169602	-4.106702	-3.199877	H	-1.055545	-4.180279	-2.585742	H	-1.180686	-4.106461	-3.203053
C	-0.756124	-2.172148	-2.253562	C	-0.676980	-2.240664	-1.635550	C	-0.756016	-2.173636	-2.258193
C	0.309371	3.673091	-2.708821	C	0.261954	3.627230	-2.078331	C	0.329650	3.667606	-2.715643
H	0.519732	4.703093	-2.466267	H	0.452196	4.660646	-1.833521	H	0.544921	4.696472	-2.473177
C	0.159456	2.628763	-1.853416	C	0.142719	2.576811	-1.225462	C	0.179049	2.623440	-1.859904
C	-0.426226	0.604358	-6.300004	C	-0.430513	0.552652	-5.675815	C	-0.430118	0.603956	-6.306438
H	-0.784611	1.600399	-6.588082	H	-0.806359	1.542880	-5.961441	H	-0.798693	1.596839	-6.592922
H	-1.127457	-0.123305	-6.727165	H	-1.122370	-0.186099	-6.099363	H	-1.124368	-0.130098	-6.733751
C	0.974188	0.373547	-6.893789	C	0.970039	0.343498	-6.277228	C	0.971908	0.387354	-6.901988
H	1.329334	-0.621250	-6.598395	H	1.341924	-0.645606	-5.983127	H	1.335773	-0.604954	-6.608748
H	1.671099	1.102677	-6.462940	H	1.657976	1.083261	-5.850181	H	1.663083	1.121407	-6.470437
C	0.961756	0.495115	-8.415101	C	0.947810	0.463646	-7.798465	C	0.957471	0.512030	-8.422965
H	1.959980	0.328479	-8.830987	H	1.946235	0.311888	-8.219434	H	1.956852	0.355033	-8.839761
H	0.627439	1.492091	-8.722781	H	0.596702	1.455072	-8.105342	H	0.614416	1.506787	-8.728165
H	0.281730	-0.240806	-8.858221	H	0.276774	-0.282945	-8.237386	H	0.283518	-0.228535	-8.867399
N	-0.703412	-2.383045	-0.878688	N	-0.614260	-2.452033	-0.262091	N	-0.698679	-2.381855	-0.884425
H	-0.520738	-1.549787	-0.325568	H	-0.447777	-1.615654	0.291306	H	-0.504443	-1.549340	-0.334752
N	0.226767	2.587406	-0.463673	N	0.224993	2.529700	0.162347	N	0.252126	2.577689	-0.471752
H	0.071800	1.669568	-0.055424	H	0.100380	1.605737	0.566477	H	0.086109	1.660975	-0.065940
C	-0.851404	-3.604709	-0.272602	C	-0.770298	-3.673116	0.349057	C	-0.842499	-3.605086	-0.271331
C	0.466719	3.676614	0.335356	C	0.465059	3.617812	0.967264	C	0.481927	3.667637	0.336289
O	-1.080352	-4.629235	-0.908900	O	-0.993554	-4.698908	-0.290382	O	-1.079918	-4.628068	-0.910720
O	0.660668	4.797650	-0.125591	O	0.631389	4.745140	0.506672	O	0.673855	4.790448	-0.126394
C	-0.801223	-4.620380	2.002748	C	-0.764162	-4.686455	2.628493	C	-0.788280	-4.621234	2.009039
C	-0.939559	-6.613572	3.959725	C	-0.968158	-6.648481	4.574911	C	-0.927533	-6.626928	4.004219
C	-1.162740	-5.928951	1.648878	C	-1.160250	-5.984343	2.278562	C	-1.139334	-5.934003	1.668092
C	-0.512248	-4.325895	3.346927	C	-0.471389	-4.396001	3.970176	C	-0.512984	-4.321345	3.350528
C	-0.579465	-5.312630	4.317201	C	-0.573583	-5.374473	4.951931	C	-0.584763	-5.309337	4.326367
C	-1.226137	-6.913950	2.630614	C	-1.260319	-6.969605	3.262053	C	-1.203432	-6.909132	2.663953
H	-1.393641	-6.174508	0.622888	H	-1.390497	-6.227894	1.251561	H	-1.362246	-6.191114	0.642365
H	-0.235317	-3.313114	3.627128	H	-0.163227	-3.391544	4.248839	H	-0.244398	-3.304773	3.628877
H	-0.353674	-5.066285	5.350383	H	-0.350859	-5.153972	5.990918	H	-0.369044	-5.047177	5.359707
H	-1.508713	-7.923223	2.346461	H	-1.566939	-7.978782	3.005252	H	-1.480965	-7.922190	2.379602
C	0.675225	4.261447	2.748904	C	0.715861	4.197007	3.380542	C	0.674590	4.250774	2.756460
C	1.065150	5.862202	5.008912	C	1.132688	5.774351	5.620955	C	1.054812	5.855955	5.059100
C	0.573193	3.713710	4.041176	C	0.609763	3.651467	4.669545	C	0.560553	3.702839	4.042507
C	0.977043	5.622634	2.602890	C	1.036259	5.553578	3.234788	C	0.977368	5.611870	2.626688
C	1.170307	6.411162	3.735385	C	1.243966	6.344092	4.365993	C	1.160042	6.387974	3.772331
C	0.767115	4.504989	5.159918	C	0.818809	4.435851	5.797201	C	0.747499	4.494830	5.168943
H	0.338402	2.659307	4.160292	H	0.361911	2.600000	4.790103	H	0.320010	2.648145	4.156475
H	1.060296	6.062610	1.620133	H	1.124614	5.992428	2.251525	H	1.066277	6.061490	1.647992

H	1.403168	7.463741	3.609002	H	1.492688	7.396172	4.267720	H	1.390685	7.444356	3.650361
H	0.683650	4.066354	6.150517	H	0.738726	4.018139	6.795687	H	0.649094	4.043319	6.153677
N	-0.716498	-3.557065	1.096878	N	-0.651632	-3.622114	1.714206	N	-0.699165	-3.556536	1.090335
H	-0.490991	-2.657723	1.508927	H	-0.429456	-2.723058	2.127642	H	-0.479940	-2.655548	1.501339
N	0.465562	3.382270	1.680343	N	0.497556	3.315952	2.304451	N	0.471172	3.371692	1.673843
H	0.272166	2.422140	1.944734	H	0.317719	2.353373	2.568293	H	0.279400	2.410595	1.934615
C	-0.960818	-7.690954	4.996271	F	-1.075615	-7.609780	5.527483	C	-0.976270	-7.706711	5.055853
C	1.297074	6.690295	6.232043	F	1.339671	6.547898	6.716658	H	-0.061364	-8.310376	5.040593
F	-1.327125	-7.231961	6.209491					H	-1.818607	-8.384643	4.887279
F	0.254030	-8.265975	5.168513					H	-1.074236	-7.276850	6.056698
F	-1.805241	-8.692741	4.684587					C	1.290015	6.706701	6.281722
F	2.449337	6.363662	6.863165					H	2.350687	6.708820	6.558932
F	0.319970	6.528492	7.151154					H	0.725822	6.329141	7.139513
F	1.368723	8.006808	5.967847					H	0.994402	7.744665	6.102861

Anion complex 2@Cl ⁻ $\Delta G^0 = -2537.01404$ au				Anion complex 3@Cl ⁻ $\Delta G^0 = -2684.65076$ au				Anion complex 4@Cl ⁻ $\Delta G^0 = -3093.52609$ au			
C	-0.205518	0.004661	-4.465160	C	-0.404673	0.011450	-4.318619	C	-0.367869	0.007425	-4.764501
N	-0.659027	-0.018595	-1.618240	N	-0.263329	0.007144	-1.437639	N	-0.246885	0.006166	-1.881835
C	-0.339221	-1.174769	-3.727467	C	-0.373248	-1.163340	-3.561158	C	-0.335507	-1.166654	-4.005303
C	-0.308298	1.171803	-3.703088	C	-0.359973	1.183985	-3.558378	C	-0.336173	1.180852	-4.004398
C	-0.530683	1.111197	-2.308710	C	-0.291358	1.131972	-2.147587	C	-0.276887	1.129269	-2.593594
C	-0.560478	-1.137027	-2.331826	C	-0.303224	-1.115407	-2.150571	C	-0.276036	-1.116408	-2.594389
S	-0.268930	-2.824136	-4.293552	S	-0.405835	-2.818919	-4.117210	S	-0.359540	-2.824044	-4.556940
S	-0.197480	2.830073	-4.236043	S	-0.374818	2.840995	-4.109810	S	-0.360722	2.838874	-4.554396
C	-0.530875	-3.439362	-2.667334	C	-0.327937	-3.420953	-2.468295	C	-0.292234	-3.422512	-2.907648
H	-0.563576	-4.507023	-2.512342	H	-0.323459	-4.487528	-2.301585	H	-0.287136	-4.488964	-2.738914
C	-0.669275	-2.456182	-1.739852	C	-0.280027	-2.429877	-1.541098	C	-0.253242	-2.429052	-1.983449
C	-0.445357	3.418564	-2.597866	C	-0.292317	3.438134	-2.459644	C	-0.293857	3.435724	-2.904323
H	-0.453959	4.483455	-2.421896	H	-0.277599	4.504234	-2.290369	H	-0.288653	4.502007	-2.734305
C	-0.606326	2.420548	-1.690135	C	-0.255020	2.444531	-1.534713	C	-0.254543	2.441222	-1.981310
C	0.092256	0.017658	-5.936870	C	-0.413907	0.010608	-5.820156	C	-0.369784	0.007413	-6.266058
H	-0.355338	0.908241	-6.395678	H	-0.929139	0.906195	-6.188649	H	-0.899786	0.893996	-6.635415
H	-0.368882	-0.855794	-6.414698	H	-0.978066	-0.856627	-6.185284	H	-0.917454	-0.868923	-6.634278
C	1.606254	0.009410	-6.208221	C	1.013655	-0.030925	-6.392317	C	1.059607	-0.007161	-6.834640
H	2.046923	-0.886099	-5.753304	H	1.522137	-0.928589	-6.020021	H	1.586503	-0.892524	-6.458651
H	2.063558	0.876023	-5.715045	H	1.574776	0.833503	-6.016831	H	1.602464	0.869954	-6.461968
C	1.905934	0.039185	-7.704239	C	1.004301	-0.028866	-7.918565	C	1.052839	-0.010888	-8.360855
H	2.984217	0.026210	-7.890117	H	2.022297	-0.063142	-8.318443	H	2.072086	-0.023906	-8.758703
H	1.492616	0.943207	-8.165061	H	0.518243	0.874776	-8.302803	H	0.547353	0.880119	-8.749437
H	1.463882	-0.828419	-8.206548	H	0.457877	-0.896567	-8.304704	H	0.526797	-0.892144	-8.744299
N	-0.889240	-2.508499	-0.370791	N	-0.213416	-2.467744	-0.154618	N	-0.196121	-2.463760	-0.594687
H	-0.952259	-1.604553	0.104805	H	-0.186217	-1.555027	0.308115	H	-0.167690	-1.549702	-0.132853
N	-0.820369	2.450375	-0.319538	N	-0.189850	2.479391	-0.148107	N	-0.196109	2.473296	-0.592581
H	-0.893014	1.538697	0.139163	H	-0.171801	1.566025	0.313927	H	-0.168098	1.558013	-0.133521
C	-1.017263	-3.661643	0.372123	C	-0.175269	-3.612310	0.603834	C	-0.178987	-3.603032	0.161018
C	-0.950522	3.591332	0.442247	C	-0.155419	3.622543	0.612746	C	-0.182296	3.610359	0.166455
O	-0.909726	-4.783375	-0.136169	O	-0.206099	-4.735773	0.101579	O	-0.217616	-4.729139	-0.326493
O	-0.860947	4.721928	-0.050266	O	-0.180528	4.747156	0.112690	O	-0.224781	4.737769	-0.317736
C	-1.259111	-4.534535	2.649322	C	-0.035330	-4.268561	3.007701	C	-0.074926	-4.239677	2.563493
H	-1.904463	-4.251103	3.486805	C	0.097459	-5.942591	5.262619	C	0.010401	-5.892633	4.791052
H	-1.697561	-5.419090	2.177983	C	-0.125618	-5.659370	2.856650	C	-0.162368	-5.635838	2.407234
C	0.148852	-4.847814	3.153437	C	0.120869	-3.726300	4.294315	C	0.053380	-3.694095	3.857960
H	0.568858	-3.946925	3.621472	C	0.185441	-4.555985	5.407568	C	0.096544	-4.511651	4.970416
H	0.789246	-5.092858	2.295434	C	-0.057474	-6.478487	3.985624	C	-0.119096	-6.456762	3.524975
C	0.157043	-6.002839	4.152695	H	-0.248107	-6.092622	1.873937	H	-0.263577	-6.069199	1.423140
H	-0.514085	-5.762500	4.988103	H	0.190657	-2.647271	4.412444	H	0.120067	-2.616336	3.978150
H	-0.253455	-6.899741	3.670280	H	0.306199	-4.114312	6.392723	H	0.196932	-4.089793	5.963607
C	1.556921	-6.300350	4.686685	H	-0.129278	-7.554770	3.853840	H	-0.186661	-7.532673	3.412674
H	1.969161	-5.425825	5.202724	H	0.147704	-6.592012	6.131316	C	-0.074277	4.238483	2.571104
H	2.238357	-6.557454	3.867768	C	-0.040836	4.272409	3.020003	C	0.024109	5.884092	4.803936
H	1.547410	-7.136291	5.393325	C	0.057844	5.937847	5.283315	C	0.065552	3.688786	3.862797
C	-1.215709	4.438844	2.725893	C	0.115395	3.726468	4.305031	C	-0.168929	5.634827	2.420703
H	-1.801170	4.097494	3.585139	C	-0.148274	5.662719	2.874729	C	-0.118374	6.452116	3.540954
H	-1.743005	5.289481	2.282885	C	-0.096747	6.477486	4.007813	C	0.114677	4.502693	4.977757
C	0.180763	4.865216	3.176190	C	0.162846	4.551733	5.422454	H	0.137309	2.610837	3.978649
H	0.694238	4.000737	3.618528	H	0.198150	2.647877	4.418584	H	-0.279862	6.070983	1.438863

H	0.761553	5.169506	2.295239	H	-0.271222	6.098966	1.893368	H	-0.189683	7.528292	3.432966
C	0.131196	6.010693	4.184997	H	-0.181622	7.553265	3.880307	H	0.224834	4.078216	5.968824
H	-0.464143	5.701022	5.054352	H	0.283869	4.107002	6.406164	N	-0.112650	-3.333095	1.514450
H	-0.393028	6.864554	3.735565	H	0.095027	6.583722	6.155242	H	-0.070878	-2.344904	1.778022
C	1.522557	6.444198	4.642946	N	-0.100506	-3.350616	1.947467	N	-0.112987	3.335778	1.518931
H	2.053034	5.610035	5.115968	H	-0.067349	-2.365147	2.215453	H	-0.066229	2.346182	1.777444
H	1.468721	7.263923	5.366382	N	-0.090021	3.357894	1.956105	N	0.082584	6.749506	5.968128
H	2.123502	6.783255	3.791604	H	-0.056817	2.371490	2.220998	O	0.202291	6.233225	7.072164
N	-1.294771	-3.447571	1.684346	Cl	-0.093020	0.008119	2.228510	O	0.012827	7.960297	5.799793
H	-1.246813	-2.490909	2.032892					N	0.059039	-6.762055	5.952536
N	-1.204550	3.357146	1.754546					O	-0.013891	-7.971980	5.779453
H	-1.164156	2.396349	2.091274					O	0.173339	-6.249920	7.059050
Cl	-1.054472	-0.053734	2.036936					Cl	-0.059136	0.002649	1.770782

Anion complex 5@Cl ⁻ $\Delta G^0 = -3358.53642$ au				Anion complex 6@Cl ⁻ $\Delta G^0 = -2883.08076$ au				Anion complex 7@Cl ⁻ $\Delta G^0 = -2763.19463$ au			
C	-0.555740	0.143647	-4.948201	C	-0.380311	0.019405	-4.324972	C	-0.391445	0.003847	-4.964834
N	-0.359662	0.062704	-2.071415	N	-0.224127	0.012436	-1.445004	N	-0.241672	0.007555	-2.084732
C	-0.532099	-1.050899	-4.221969	C	-0.334449	-1.156223	-3.569192	C	-0.366800	-1.168793	-4.203725
C	-0.475582	1.295006	-4.158740	C	-0.341223	1.191363	-3.563542	C	-0.334531	1.178594	-4.208589
C	-0.380352	1.205315	-2.752043	C	-0.265196	1.137565	-2.153395	C	-0.262079	1.130127	-2.798385
C	-0.434801	-1.039843	-2.811871	C	-0.257986	-1.109581	-2.158867	C	-0.292981	-1.116948	-2.793444
S	-0.610319	-2.690996	-4.816685	S	-0.359180	-2.811072	-4.126510	S	-0.413954	-2.826255	-4.753070
S	-0.469535	2.966298	-4.666943	S	-0.374737	2.849571	-4.111572	S	-0.339909	2.834602	-4.764016
C	-0.511670	-3.335488	-3.185791	C	-0.269278	-3.414504	-2.478790	C	-0.338869	-3.422715	-3.101762
H	-0.525989	-4.405911	-3.046035	H	-0.257635	-4.481311	-2.313734	H	-0.344609	-4.488721	-2.931576
C	-0.426261	-2.369235	-2.236060	C	-0.222980	-2.424453	-1.550635	C	-0.281367	-2.428967	-2.178096
C	-0.342569	3.518672	-3.004065	C	-0.290884	3.444093	-2.460190	C	-0.248216	3.435319	-3.114917
H	-0.302136	4.579686	-2.808529	H	-0.286564	4.510014	-2.288973	H	-0.225922	4.501747	-2.948307
C	-0.304932	2.500223	-2.106999	C	-0.239452	2.448967	-1.537750	C	-0.214298	2.443519	-2.188154
C	-0.596423	0.189368	-6.448569	C	-0.401556	0.020818	-5.826369	C	-0.411741	0.001777	-6.466218
H	-1.134391	1.088429	-6.774349	H	-0.922583	0.915677	-6.188375	H	-0.950647	0.886045	-6.828626
H	-1.155350	-0.673755	-6.830540	H	-0.966919	-0.847168	-6.187948	H	-0.960068	-0.877239	-6.826827
C	0.817349	0.193198	-7.054244	C	1.020445	-0.015542	-6.411711	C	1.009689	-0.007235	-7.053457
H	1.350057	-0.708350	-6.728313	H	1.536095	-0.911243	-6.044532	H	1.542654	-0.893259	-6.687521
H	1.373853	1.052730	-6.661228	H	1.581982	0.850895	-6.041630	H	1.556067	0.869422	-6.685037
C	0.770289	0.252741	-8.578611	C	0.996418	-0.013301	-7.937786	C	0.982129	-0.004534	-8.579527
H	1.778393	0.254730	-9.004193	H	2.010544	-0.045096	-8.347537	H	1.995609	-0.014550	-8.991968
H	0.257002	1.160188	-8.915629	H	0.504331	0.889069	-8.317232	H	0.470127	0.887615	-8.956842
H	0.231410	-0.610434	-8.984759	H	0.448494	-0.882362	-8.318611	H	0.451355	-0.884347	-8.959800
N	-0.333618	-2.443207	-0.851587	N	-0.149389	-2.463346	-0.164280	N	-0.217002	-2.460374	-0.791264
H	-0.274368	-1.543105	-0.366811	H	-0.119550	-1.551404	0.300295	H	-0.184011	-1.545067	-0.334135
N	-0.206132	2.495096	-0.720783	N	-0.168687	2.478798	-0.151045	N	-0.143473	2.476965	-0.802163
H	-0.198266	1.568448	-0.284859	H	-0.133994	1.563513	0.306446	H	-0.139976	1.562350	-0.342689
C	-0.328893	-3.603786	-0.122601	C	-0.128564	-3.607954	0.593945	C	-0.180540	-3.602097	-0.026838
C	-0.089393	3.612200	0.064527	C	-0.165652	3.617381	0.616335	C	-0.122368	3.617762	-0.035432
O	-0.406400	-4.714674	-0.642831	O	-0.170723	-4.731715	0.093110	O	-0.203945	-4.727729	-0.525737
O	-0.078396	4.751045	-0.397883	O	-0.215981	4.744635	0.124282	O	-0.146631	4.744468	-0.531435
C	-0.189270	-4.310304	2.262746	C	-0.017806	-4.270165	2.995590	C	-0.044731	-4.254541	2.376338
C	-0.089328	-6.030999	4.465829	C	0.059460	-5.928458	5.215582	C	0.084488	-5.938620	4.650627
C	-0.314952	-5.696898	2.078149	C	-0.135526	-5.658384	2.840100	C	-0.141933	-5.643928	2.232995
C	-0.017220	-3.802387	3.562307	C	0.139417	-3.734829	4.284443	C	0.112731	-3.716130	3.663063
C	0.030718	-4.653450	4.655289	C	0.177798	-4.559964	5.401923	C	0.173329	-4.546471	4.775273
C	-0.264354	-6.543123	3.181260	C	-0.095052	-6.489620	3.960978	C	-0.076509	-6.459217	3.365036
H	-0.447801	-6.105576	1.086778	H	-0.258109	-6.088707	1.856364	H	-0.271536	-6.083202	1.253564
H	0.082279	-2.729764	3.707204	H	0.231111	-2.658823	4.409631	H	0.183204	-2.637381	3.785250
H	0.166861	-4.242256	5.650673	H	0.297592	-4.150570	6.399890	H	0.291766	-4.101626	5.760972
H	-0.360816	-7.614655	3.029597	H	-0.185426	-7.566190	3.855544	H	-0.157996	-7.536233	3.233323
C	0.176496	4.184407	2.473568	C	-0.078825	4.260238	3.024179	C	-0.065795	4.256380	2.375088
C	0.518547	5.776483	4.746955	C	-0.031098	5.901375	5.257167	C	-0.045258	5.929053	4.660727
C	0.324828	3.596749	3.744667	C	0.071281	3.715707	4.309985	C	-0.192097	3.715194	3.664135
C	0.197973	5.581549	2.356485	C	-0.204877	5.648726	2.878336	C	0.071383	5.642384	2.234486
C	0.371386	6.365842	3.495250	C	-0.179346	6.471423	4.005875	C	0.076811	6.452673	3.372320
C	0.494700	4.383926	4.869587	C	0.095070	4.532385	5.434079	C	-0.181090	4.540062	4.781788
H	0.305399	2.513768	3.837061	H	0.169138	2.639430	4.427720	H	-0.303841	2.639540	3.782230
H	0.080677	6.049749	1.389842	H	-0.322462	6.085795	1.896929	H	0.169580	6.083766	1.252124

H	0.388004	7.446404	3.393306	H	-0.276138	7.548183	3.908254	H	0.180280	7.527970	3.242526
H	0.609773	3.915209	5.843136	H	0.209971	4.116494	6.429952	H	-0.285039	4.094122	5.768709
N	-0.227065	-3.372314	1.230168	N	-0.056497	-3.347975	1.937547	N	-0.107117	-3.336435	1.313818
H	-0.159170	-2.392791	1.517684	H	-0.013249	-2.363319	2.208394	H	-0.091668	-2.349990	1.581241
N	0.012216	3.305510	1.402397	N	-0.101302	3.346750	1.958255	N	-0.077767	3.345231	1.305329
H	0.001263	2.312144	1.643991	H	-0.050044	2.360508	2.221531	H	-0.086884	2.355703	1.561821
C	-0.080738	-6.962328	5.635165	F	0.094672	-6.743168	6.302420	C	0.184808	-6.838143	5.857134
C	0.738457	6.602243	5.973061	F	-0.009327	6.707738	6.350474	H	1.231709	-7.062022	6.093577
F	0.495462	-6.421045	6.724902	Cl	0.018864	-0.002506	2.214628	H	-0.325401	-7.789914	5.682625
F	0.577102	-8.110958	5.373555					H	-0.257199	-6.365672	6.739545
F	-1.328199	-7.332152	6.013345					C	-0.008083	6.816953	5.879565
F	0.539606	7.915722	5.764538					H	0.993122	6.829179	6.326146
F	-0.077257	6.239597	6.987448					H	-0.704407	6.464109	6.646445
F	1.997695	6.478529	6.456432					H	-0.269467	7.847666	5.623512
Cl	-0.098347	-0.046870	1.586231					Cl	-0.109971	0.006655	1.617788

Anion complex 2@MeCO ₂ ⁻ $\Delta G^0 = -2305.15974$ au				Anion complex 3@MeCO ₂ ⁻ $\Delta G^0 = -2452.80352$ au				Anion complex 4@MeCO ₂ ⁻ $\Delta G^0 = -2861.67536$ au			
C	-0.339870	-0.120307	-4.617647	C	-0.373303	0.016088	-4.479691	C	-4.833354	0.010629	0.294817
N	-0.119962	-0.528868	-1.768956	N	-0.240906	0.011714	-1.592334	N	-1.943946	0.007946	0.189861
C	0.884545	-0.265417	-3.964945	C	-0.349736	-1.153121	-3.723895	C	-4.076396	-1.158078	0.273291
C	-1.448413	-0.189966	-3.773572	C	-0.326133	1.182777	-3.721879	C	-4.074917	1.177698	0.259064
C	-1.298434	-0.378918	-2.377883	C	-0.262072	1.145641	-2.304531	C	-2.657268	1.140946	0.208587
C	0.949907	-0.477704	-2.565844	C	-0.282282	-1.120526	-2.306689	C	-2.658809	-1.123931	0.220521
S	2.476377	-0.227014	-4.673139	S	-0.383325	-2.779421	-4.338118	S	-4.687923	-2.786045	0.302882
S	-3.129926	-0.072380	-4.218498	S	-0.326973	2.810970	-4.332413	S	-4.684309	2.806796	0.266395
C	3.217105	-0.514308	-3.110709	C	-0.306875	-3.422309	-2.718024	C	-3.067377	-3.426623	0.243972
H	4.291823	-0.581198	-3.048471	H	-0.301405	-4.491817	-2.586161	H	-2.934031	-4.496098	0.242393
C	2.318462	-0.635568	-2.096723	C	-0.260473	-2.469428	-1.746899	C	-2.098626	-2.471544	0.205757
C	-3.621506	-0.256026	-2.546500	C	-0.244469	3.448598	-2.710275	C	-3.062606	3.444314	0.203924
H	-4.673428	-0.241969	-2.308297	H	-0.220904	4.517537	-2.575428	H	-2.927589	4.513519	0.190120
C	-2.578314	-0.399334	-1.685469	C	-0.219282	2.492608	-1.741586	C	-2.095202	2.487447	0.180745
C	-0.451968	0.152041	-6.090325	C	-0.375670	0.016469	-5.981347	C	-6.334951	0.011126	0.289568
H	-1.391550	-0.265721	-6.472867	H	-0.873324	0.921433	-6.351037	H	-6.705882	0.909456	0.798299
H	0.363139	-0.354016	-6.622754	H	-0.954756	-0.839241	-6.350583	H	-6.706567	-0.851925	0.856001
C	-0.403150	1.658983	-6.395136	C	1.053322	-0.049975	-6.547557	C	-6.897850	-0.034840	-1.141384
H	0.538087	2.072128	-6.012826	H	1.545671	-0.954415	-6.170037	H	-6.521605	-0.932688	-1.646481
H	-1.214930	2.160361	-5.854129	H	1.627099	0.806483	-6.172933	H	-6.520920	0.829019	-1.702305
C	-0.524455	1.931086	-7.891904	C	1.050558	-0.053314	-8.073546	C	-8.424023	-0.034951	-1.140843
H	-0.484653	3.004449	-8.101149	H	2.069774	-0.101572	-8.468830	H	-8.818102	-0.071134	-2.161002
H	-1.472189	1.543955	-8.282031	H	0.577447	0.854874	-8.463262	H	-8.812422	0.868667	-0.658115
H	0.289908	1.447181	-8.442359	H	0.495228	-0.915616	-8.459017	H	-8.811921	-0.902490	-0.595528
N	2.529889	-0.893688	-0.749688	N	-0.197174	-2.649301	-0.368786	N	-0.717808	-2.648537	0.157557
H	1.702549	-1.061813	-0.165171	H	-0.198980	-1.812990	0.226046	H	-0.126729	-1.808887	0.129255
N	-2.580039	-0.542848	-0.304846	N	-0.159834	2.665703	-0.362630	N	-0.713911	2.660910	0.137645
H	-1.675579	-0.472667	0.177884	H	-0.184592	1.826214	0.227259	H	-0.125058	1.819260	0.126473
C	3.774609	-1.062339	-0.174246	C	-0.139225	-3.887920	0.237156	C	-0.111786	-3.880830	0.142279
C	-3.718654	-0.638748	0.469000	C	-0.114463	3.901140	0.250501	C	-0.104203	3.891333	0.124175
O	4.823312	-0.876652	-0.807043	O	-0.132815	-4.939296	-0.405897	O	-0.739030	-4.937972	0.165303
O	-4.851519	-0.694136	-0.027312	O	-0.088720	4.955242	-0.387735	O	-0.728751	4.950330	0.131903
C	4.957269	-1.561825	1.912337	C	-0.024597	-4.888494	2.512850	C	2.166799	-4.859305	0.081012
H	4.750709	-2.258832	2.730620	C	0.103322	-6.870319	4.508926	C	4.142329	-6.815886	0.042677
H	5.741156	-2.005360	1.289603	C	0.018353	-6.245074	2.158464	C	1.811756	-6.222855	0.075036
C	5.433553	-0.222418	2.473633	C	-0.003566	-4.538833	3.874773	C	3.534242	-4.505367	0.065304
H	4.637250	0.207872	3.096227	C	0.060388	-5.518069	4.858406	C	4.519793	-5.471686	0.046412
H	5.602656	0.472963	1.640664	C	0.081735	-7.216774	3.159674	C	2.802395	-7.193753	0.056048
C	6.712636	-0.365644	3.295601	H	0.003432	-6.536011	1.117887	H	0.772621	-6.515664	0.085031
H	6.536269	-1.071891	4.117995	H	-0.037048	-3.487572	4.152427	H	3.810324	-3.454582	0.068910
H	7.497718	-0.807626	2.667636	H	0.076029	-5.220861	5.903264	H	5.567101	-5.193544	0.035400
C	7.196220	0.969448	3.858889	H	0.114623	-8.263145	2.868073	H	2.532999	-8.243622	0.051544
H	6.434785	1.416653	4.508061	H	0.153772	-7.637297	5.275862	C	2.178268	4.862056	0.083221
H	7.405035	1.679375	3.050509	C	-0.040068	4.890415	2.532637	C	4.160254	6.812062	0.047208
H	8.111799	0.848535	4.446629	C	0.068974	6.863550	4.538419	C	3.544596	4.503520	0.074133
C	-4.575196	-0.658026	2.760741	C	-0.024887	4.534520	3.892999	C	1.827689	6.226745	0.072577
H	-4.209813	-1.093137	3.696490	C	-0.001009	6.248919	2.184770	C	2.821526	7.194358	0.054613
H	-5.383678	-1.297537	2.393119	C	0.053470	7.216180	3.190668	C	4.533320	5.466627	0.056337
C	-5.098604	0.756334	3.009782	C	0.029360	5.509522	4.881407	H	3.817218	3.451784	0.081628
H	-4.277338	1.380665	3.387462	H	-0.055136	3.481830	4.165547	H	0.789452	6.522831	0.078457

H	-5.419854	1.189790	2.053488	H	-0.012205	6.544293	1.145416	H	2.555620	8.245102	0.046619
C	-6.260188	0.774687	4.001281	H	0.083613	8.264033	2.904191	H	5.579747	5.185065	0.049956
H	-5.937705	0.316488	4.945749	H	0.040421	5.207635	5.924996	N	1.266290	-3.807658	0.099686
H	-7.075391	0.149679	3.613203	H	0.112175	7.627056	5.309270	H	1.670250	-2.862239	0.093534
C	-6.777149	2.187650	4.265690	N	-0.086347	-3.822718	1.603948	N	1.274117	3.813653	0.102342
H	-5.985601	2.819185	4.684752	H	-0.108552	-2.883828	2.015276	H	1.674801	2.866711	0.106708
H	-7.614369	2.183278	4.971062	N	-0.095673	3.829279	1.617924	N	5.190559	7.832544	0.030153
H	-7.121173	2.655230	3.336069	H	-0.130168	2.887886	2.023467	O	6.363028	7.477119	0.024314
N	3.743633	-1.455828	1.121441	C	-0.213117	0.004910	2.594576	O	4.848802	9.008953	0.022244
H	2.833620	-1.574227	1.568548	O	-0.227280	1.112089	1.993638	N	5.169137	-7.839889	0.024879
N	-3.481760	-0.710661	1.804566	O	-0.193097	-1.108889	2.006432	O	4.823349	-9.015137	0.022012
H	-2.535609	-0.498566	2.124315	C	-0.183972	0.016278	4.115205	O	6.342772	-7.488456	0.013937
C	0.194794	-0.920645	2.237997	H	-0.604749	-0.905492	4.521921	C	2.231633	0.003109	0.123287
O	-0.676131	-0.122890	1.789949	H	-0.720168	0.883083	4.507542	O	1.634385	1.112478	0.109617
O	0.933645	-1.648547	1.519191	H	0.860562	0.088669	4.439304	O	1.637583	-1.106901	0.078813
C	0.358522	-0.989061	3.751001					C	3.751044	0.008433	0.159761
H	1.065079	-1.767086	4.045112					H	4.136030	-0.917931	0.590393
H	-0.613523	-1.176194	4.218038					H	4.121664	0.869507	0.720008
H	0.715556	-0.020413	4.116110					H	4.120376	0.088991	-0.868939

Anion complex 5@MeCO ₂ ⁻ $\Delta G^0 = -3126.68875$ au				Anion complex 6@MeCO ₂ ⁻ $\Delta G^0 = -2651.23024$ au				Anion complex 7@MeCO ₂ ⁻ $\Delta G^0 = -2531.34619$ au			
C	0.304191	5.047339	-0.513036	C	-0.337808	0.007427	-4.489798	C	-5.072786	0.007519	0.337291
N	0.212561	2.172507	-0.250424	N	-0.250747	0.005018	-1.600732	N	-2.186549	0.005166	0.228703
C	0.532675	4.387859	0.694677	C	-0.325199	-1.161315	-3.733027	C	-4.314459	-1.162657	0.336346
C	0.023936	4.196236	-1.581780	C	-0.304690	1.174674	-3.731704	C	-4.314152	1.176556	0.278251
C	0.001131	2.789840	-1.415496	C	-0.263539	1.138774	-2.313661	C	-2.898916	1.135020	0.237325
C	0.465811	2.976049	0.785751	C	-0.279113	-1.127512	-2.315134	C	-2.899985	-1.122757	0.270496
S	0.910305	5.105963	2.236659	S	-0.352437	-2.788897	-4.345444	S	-4.900678	-2.802902	0.407087
S	-0.335326	4.645838	-3.227679	S	-0.299875	2.802848	-4.342736	S	-4.902440	2.816104	0.242794
C	0.960394	3.530775	2.998423	C	-0.298933	-3.429790	-2.723544	C	-3.266744	-3.426426	0.332051
H	1.172079	3.470511	4.054408	H	-0.296246	-4.499111	-2.590136	H	-3.116221	-4.494286	0.344367
C	0.704327	2.506041	2.141569	C	-0.264469	-2.475532	-1.753516	C	-2.317080	-2.455847	0.258745
C	-0.493107	2.965489	-3.689593	C	-0.245005	3.441337	-2.720066	C	-3.267656	3.438005	0.188553
H	-0.728911	2.728360	-4.715063	H	-0.225725	4.510345	-2.585512	H	-3.119157	4.505679	0.154786
C	-0.284909	2.098517	-2.662996	C	-0.233781	2.485866	-1.750608	C	-2.315197	2.467363	0.200461
C	0.294706	6.543941	-0.636203	C	-0.318094	0.008046	-5.991297	C	-6.574241	0.009386	0.337420
H	0.624441	6.834260	-1.641583	H	-0.825892	0.904789	-6.367327	H	-6.940661	0.900034	0.863194
H	1.011539	6.977222	0.072424	H	-0.877288	-0.856995	-6.369036	H	-6.944354	-0.862662	0.890559
C	-1.103323	7.126767	-0.367782	C	1.118925	-0.033451	-6.539532	C	-7.145986	-0.012608	-1.089976
H	-1.427808	6.829742	0.637042	H	1.622134	-0.930153	-6.158000	H	-6.780046	-0.906714	-1.609116
H	-1.817026	6.688990	-1.076227	H	1.673600	0.831620	-6.156372	H	-6.766926	0.855447	-1.642617
C	-1.108163	8.647921	-0.491525	C	1.135150	-0.033039	-8.065544	C	-8.672280	-0.000259	-1.078686
H	-2.104696	9.055182	-0.295721	H	2.159738	-0.066826	-8.448239	H	-9.074204	-0.023816	-2.096161
H	-0.806639	8.957267	-1.498399	H	0.654870	0.869604	-8.459168	H	-9.049225	0.902100	-0.584761
H	-0.410560	9.098267	0.223201	H	0.596158	-0.901635	-8.459780	H	-9.063553	-0.869271	-0.538278
N	0.625728	1.140660	2.391885	N	-0.216602	-2.651126	-0.374056	N	-0.935941	-2.572099	0.165942
H	0.316301	0.539215	1.618617	H	-0.206270	-1.810872	0.214935	H	-0.402881	-1.707531	0.013070
N	-0.291168	0.707595	-2.664513	N	-0.199540	2.659871	-0.370551	N	-0.930573	2.587415	0.195728
H	0.039230	0.234481	-1.813451	H	-0.237674	1.820836	0.219363	H	-0.381186	1.732917	0.352572
C	0.819617	0.570782	3.626763	C	-0.167005	-3.886542	0.237975	C	-0.256124	-3.769860	0.185119
C	-0.596792	-0.057885	-3.762577	C	-0.147059	3.894290	0.243148	C	-0.261844	3.787019	0.097604
O	1.169757	1.219044	4.612429	O	-0.167490	-4.941755	-0.399381	O	-0.826393	-4.850506	0.349019
O	-0.993616	0.422632	-4.823632	O	-0.095096	4.948906	-0.393185	O	-0.846316	4.857869	-0.080337
C	0.667777	-1.659802	4.710236	C	-0.048103	-4.881786	2.513805	C	2.069778	-4.629490	-0.029276
C	0.781481	-3.578338	6.746750	C	0.110425	-6.834777	4.480424	C	4.194826	-6.503300	-0.135843
C	1.177130	-1.320142	5.972849	C	0.006022	-6.237789	2.159065	C	1.851178	-5.969167	0.316627
C	0.218698	-2.976447	4.484430	C	-0.025829	-4.532419	3.875390	C	3.360077	-4.236943	-0.421064
C	0.275984	-3.925259	5.489660	C	0.054465	-5.504017	4.865311	C	4.398561	-5.158074	-0.468957
C	1.229309	-2.281981	6.979658	C	0.086101	-7.216367	3.151892	C	2.909058	-6.879046	0.257202
H	1.528558	-0.316918	6.165956	H	-0.011190	-6.530714	1.119385	H	0.870123	-6.297150	0.631355
H	-0.178407	-3.243624	3.508420	H	-0.069283	-3.483369	4.157543	H	3.542009	-3.197290	-0.685514
H	-0.075566	-4.935664	5.298139	H	0.074374	-5.236043	5.916857	H	5.388424	-4.823747	-0.773057
H	1.626098	-2.006624	7.951819	H	0.131048	-8.268742	2.889171	H	2.718759	-7.914443	0.532696
C	-0.618416	-2.453221	-4.433274	C	-0.074099	4.886521	2.522161	C	2.064196	4.670278	0.143398
C	-0.954341	-4.698374	-6.071978	C	0.097902	6.834170	4.492904	C	4.175100	6.558160	0.005446
C	-0.226934	-3.731551	-3.991184	C	-0.062000	4.534501	3.883233	C	3.373870	4.317702	0.508464
C	-1.188737	-2.316349	-5.709059	C	-0.004579	6.242514	2.170128	C	1.817415	5.978326	-0.291377
C	-1.351941	-3.439597	-6.515311	C	0.083144	7.218356	3.164985	C	2.868535	6.896503	-0.350684
C	-0.393550	-4.842733	-4.799656	C	0.024501	5.503518	4.875213	C	4.404715	5.245931	0.438610
H	0.213715	-3.841398	-3.003471	H	-0.118433	3.485446	4.163376	H	3.575771	3.305285	0.851781
H	-1.497778	-1.344503	-6.065750	H	-0.016147	6.537320	1.130901	H	0.818493	6.277293	-0.577621

H	-1.793062	-3.321416	-7.500465	H	0.139819	8.270726	2.904409	H	2.654740	7.908728	-0.688076
H	-0.081837	-5.820246	-4.442865	H	0.036346	5.233575	5.926378	H	5.408522	4.944174	0.730912
N	0.579693	-0.783711	3.630233	N	-0.118755	-3.816547	1.604133	N	1.092922	-3.621415	0.008608
H	0.236917	-1.179905	2.744324	H	-0.132651	-2.876248	2.013429	H	1.417894	-2.668110	-0.190069
N	-0.409626	-1.403024	-3.541261	N	-0.157356	3.824216	1.610235	N	1.095056	3.656996	0.225658
H	-0.001073	-1.654676	-2.634944	H	-0.208411	2.884678	2.018376	H	1.438895	2.721244	0.463986
C	0.849823	-4.627025	7.808430	F	0.196391	-7.792283	5.441068	C	5.317786	-7.506256	-0.223121
C	-1.178571	-5.907813	-6.919578	F	0.190592	7.789015	5.455631	H	5.443126	-7.867660	-1.250643
F	1.717390	-5.618981	7.496839	C	-0.259329	0.005043	2.586948	H	5.119461	-8.374885	0.411399
F	-0.340672	-5.237606	8.005539	O	-0.309449	1.113777	1.990744	H	6.269092	-7.062702	0.086352
F	1.237043	-4.142861	9.002084	O	-0.181576	-1.103491	1.993780	C	5.304264	7.553320	-0.092901
F	-2.328531	-6.554017	-6.607806	C	-0.256758	0.008291	4.107611	H	5.906009	7.376836	-0.992101
F	-0.195791	-6.822307	-6.781683	H	-0.677074	-0.919654	4.500715	H	5.975010	7.477375	0.768711
F	-1.260371	-5.616930	-8.232327	H	-0.806594	0.867966	4.496279	H	4.923202	8.577270	-0.143388
C	0.372956	-1.838202	0.128966	H	0.781491	0.084908	4.450186	C	1.861871	-0.023899	0.240697
O	0.729536	-1.362712	-0.982886					O	1.288164	0.917600	0.854553
O	-0.259162	-1.185830	1.008519					O	1.262806	-0.867478	-0.484471
C	0.734236	-3.278905	0.456986					C	3.365535	-0.185207	0.406221
H	1.456527	-3.282715	1.281510					H	3.548072	-0.995948	1.121522
H	1.169574	-3.789734	-0.403521					H	3.825448	0.727586	0.788961
H	-0.154761	-3.816263	0.799503					H	3.825991	-0.471799	-0.542546

Anion complex 2@PhCO ₂ ⁻ ΔG ⁰ = -2496.78196 au				Anion complex 3@PhCO ₂ ⁻ ΔG ⁰ = -2644.42200 au				Anion complex 4@PhCO ₂ ⁻ ΔG ⁰ = -3053.29626 au			
C	-0.226776	0.029890	-5.189450	C	-0.456410	0.057753	-5.004475	C	-5.291164	0.058997	0.084948
N	-0.679385	0.021555	-2.338859	N	-0.113963	0.089955	-2.135325	N	-2.404112	0.089805	-0.052082
C	-0.324047	-1.143504	-4.440784	C	-0.448345	-1.100591	-4.228045	C	-4.516020	-1.099048	0.140349
C	-0.365143	1.198668	-4.438572	C	-0.276569	1.231961	-4.275178	C	-4.550050	1.232266	-0.048698
C	-0.570278	1.152027	-3.038088	C	-0.120983	1.208417	-2.866583	C	-3.134332	1.207502	-0.103808
C	-0.564074	-1.103086	-3.046292	C	-0.266541	-1.044866	-2.823759	C	-3.102718	-1.043143	0.057981
S	-0.177854	-2.786913	-5.005727	S	-0.612589	-2.741319	-4.786101	S	-5.081976	-2.741518	0.273285
S	-0.319450	2.843502	-5.012160	S	-0.186350	2.855141	-4.899999	S	-5.164838	2.855864	-0.195340
C	-0.465783	-3.407214	-3.390237	C	-0.421578	-3.350911	-3.157677	C	-3.443853	-3.348631	0.203889
H	-0.474583	-4.475077	-3.232656	H	-0.443551	-4.416931	-2.995926	H	-3.282240	-4.414267	0.246387
C	-0.666250	-2.431048	-2.466049	C	-0.246851	-2.373086	-2.228080	C	-2.507342	-2.369733	0.090210
C	-0.550821	3.456379	-3.385375	C	0.043918	3.498620	-3.289618	C	-3.542644	3.496569	-0.315426
H	-0.587560	4.523493	-3.231657	H	0.161768	4.563749	-3.166469	H	-3.409766	4.561107	-0.430501
C	-0.656468	2.477566	-2.446561	C	0.050036	2.546092	-2.319174	C	-2.576699	2.542962	-0.243773
C	0.065989	0.037176	-6.662326	C	-0.571072	0.036653	-6.501900	C	-6.792654	0.038744	0.087738
H	-0.434642	0.892721	-7.133214	H	-1.060865	0.955562	-6.847308	H	-7.173451	0.960477	0.544868
H	-0.345981	-0.868616	-7.124476	H	-1.208858	-0.800576	-6.812066	H	-7.150568	-0.795050	0.704326
C	1.576351	0.110669	-6.942201	C	0.806085	-0.092811	-7.174951	C	-7.359544	-0.097895	-1.336008
H	2.072673	-0.736456	-6.452764	H	1.290881	-1.012599	-6.825878	H	-6.972451	-1.018643	-1.789043
H	1.981483	1.023582	-6.488830	H	1.440787	0.743123	-6.856411	H	-6.996553	0.736527	-1.948298
C	1.868114	0.095032	-8.440315	C	0.685026	-0.108303	-8.696352	C	-8.885502	-0.118489	-1.329705
H	2.943545	0.156623	-8.633042	H	1.667744	-0.199850	-9.168716	H	-9.281624	-0.216261	-2.345009
H	1.384269	0.941905	-8.939634	H	0.218745	0.814941	-9.057936	H	-9.284940	0.805171	-0.896561
H	1.492905	-0.826576	-8.899005	H	0.068300	-0.950673	-9.028813	H	-9.260271	-0.959744	-0.736180
N	-0.964762	-2.525712	-1.114601	N	-0.044165	-2.485893	-0.857704	N	-1.124167	-2.479967	-0.011766
H	-1.241596	-1.658608	-0.644050	H	0.039978	-1.615014	-0.323699	H	-0.590585	-1.605294	-0.052521
N	-0.816961	2.571721	-1.070392	N	0.187653	2.691520	-0.943869	N	-1.193201	2.687011	-0.275880
H	-0.707476	1.709975	-0.522865	H	-0.055943	1.885117	-0.356483	H	-0.629083	1.883664	0.028924
C	-0.951155	-3.692648	-0.378730	C	0.155125	-3.681676	-0.203307	C	-0.457758	-3.669805	-0.154052
C	-0.941911	3.759604	-0.378119	C	0.492065	3.879947	-0.319362	C	-0.550269	3.869506	-0.528752
O	-0.536511	-4.761490	-0.842548	O	0.090287	-4.769223	-0.777626	O	-1.023346	-4.760418	-0.138824
O	-1.034187	4.851924	-0.952777	O	0.756203	4.909941	-0.940618	O	-1.133577	4.898885	-0.860143
C	-1.191020	-4.548863	1.908275	C	0.688613	-4.525397	2.074644	C	1.865622	-4.479457	-0.495006
H	-1.926596	-4.385527	2.703171	C	1.206116	-6.388122	4.116781	C	3.948342	-6.287802	-0.825239
H	-1.371296	-5.543408	1.488073	C	0.375247	-5.879536	1.888585	C	1.613454	-5.864252	-0.441012
C	0.222927	-4.460258	2.481475	C	1.261870	-4.115931	3.290225	C	3.183468	-4.026954	-0.723870
H	0.412168	-3.426053	2.799527	C	1.512021	-5.038058	4.300812	C	4.223437	-4.921072	-0.885388
H	0.947775	-4.691550	1.688799	C	0.641079	-6.794234	2.908736	C	2.657715	-6.762166	-0.607567
C	0.427249	-5.398926	3.667828	H	-0.071285	-6.210269	0.960829	H	0.611399	-6.228673	-0.268705
H	-0.312423	-5.157490	4.443900	H	1.512733	-3.066810	3.432877	H	3.378524	-2.959176	-0.778998
H	0.229077	-6.433511	3.356610	H	1.953855	-4.697777	5.233242	H	5.233488	-4.569287	-1.060225
C	1.834434	-5.292761	4.252795	H	0.393499	-7.840490	2.750436	H	2.469751	-7.828933	-0.564036
H	2.032704	-4.270061	4.595754	H	1.404217	-7.110370	4.902990	C	1.774653	4.747176	-0.581479
H	2.589180	-5.545501	3.499239	C	0.720985	4.787939	1.988688	C	3.834435	6.577111	-0.930161
H	1.968034	-5.967346	5.104669	C	1.177293	6.674720	4.024762	C	3.106448	4.400549	-0.266712
C	-0.985786	4.772512	1.849685	C	0.431269	4.481358	3.329222	C	1.497540	6.034571	-1.080804
H	-1.413708	4.456991	2.806592	C	1.248859	6.048763	1.675198	C	2.530674	6.944380	-1.251968
H	-1.652996	5.527332	1.421957	C	1.467399	6.976599	2.695429	C	4.134702	5.306315	-0.437660
C	0.405255	5.367472	2.067027	C	0.658593	5.415033	4.333788	H	3.321017	3.406180	0.115704
H	1.063470	4.595297	2.488208	H	0.027100	3.501433	3.574199	H	0.484616	6.315085	-1.329490

H	0.825706	5.653165	1.093621	H	1.483099	6.299129	0.650052	H	2.323481	7.936720	-1.635807
C	0.374938	6.581649	2.993421	H	1.875612	7.950111	2.437136	H	5.155680	5.037452	-0.193406
H	-0.056595	6.288763	3.959876	H	0.426651	5.155265	5.362897	N	0.901076	-3.498684	-0.330491
H	-0.294597	7.342118	2.569994	H	1.353072	7.405801	4.808048	H	1.232151	-2.525310	-0.306450
C	1.763022	7.181762	3.210412	N	0.434935	-3.520282	1.128433	N	0.820045	3.764923	-0.379005
H	2.439814	6.444350	3.656962	H	0.487266	-2.551192	1.460368	H	1.155565	2.871532	-0.005968
H	1.725490	8.051342	3.874390	N	0.477526	3.776653	1.048319	N	4.907632	7.536851	-1.111823
H	2.200064	7.502623	2.257919	H	0.133969	2.887015	1.418743	O	6.048945	7.195747	-0.826860
N	-1.450728	-3.555480	0.877411	C	-0.559272	0.131356	1.865834	O	4.630316	8.649683	-1.541199
H	-1.690794	-2.608431	1.172779	O	-0.753754	1.256832	1.335097	N	5.034676	-7.235348	-0.993756
N	-0.987970	3.615221	0.970684	O	0.230532	-0.744575	1.419812	O	4.776538	-8.432100	-0.966016
H	-0.750475	2.700563	1.354719	C	-1.335065	-0.179424	3.131905	O	6.167584	-6.799541	-1.156648
C	-0.957891	-0.138210	1.594824	C	-2.757546	-0.727174	5.482521	C	1.486555	0.123745	0.797855
O	-0.255284	0.833190	1.208976	C	-1.375261	-1.477516	3.648414	O	0.961420	1.265117	0.884734
O	-1.898952	-0.664075	0.937663	C	-2.021085	0.841803	3.797642	O	1.168848	-0.747297	-0.057230
C	-0.637914	-0.755956	2.944426	C	-2.723766	0.571695	4.971246	C	2.576586	-0.210714	1.794947
C	-0.014685	-2.003002	5.373163	C	-2.085643	-1.753544	4.815949	C	4.599618	-0.806987	3.636326
C	-1.584181	-1.556776	3.592290	H	-0.856724	-2.277912	3.130973	C	2.921821	-1.538883	2.059791
C	0.618848	-0.571088	3.529937	H	-1.995950	1.847486	3.388817	C	3.244357	0.817635	2.467750
C	0.933190	-1.200672	4.734213	H	-3.246516	1.372972	5.485951	C	4.258658	0.522190	3.377147
C	-1.278860	-2.172324	4.804910	H	-2.114130	-2.767907	5.204584	C	3.924671	-1.838316	2.980744
H	-2.562082	-1.697797	3.138886	H	-3.307379	-0.939611	6.395225	H	2.391018	-2.341904	1.557833
H	1.350305	0.054114	3.025870					H	2.965135	1.848001	2.267748
H	1.918485	-1.069615	5.172961					H	4.780989	1.327152	3.886380
H	-2.021083	-2.793332	5.299441					H	4.178210	-2.874565	3.186428
H	0.232107	-2.497515	6.309025					H	5.386438	-1.037847	4.349055

Anion complex 5@PhCO ₂ ⁻ $\Delta G^0 = -3318.30710$ au				Anion complex 6@PhCO ₂ ⁻ $\Delta G^0 = -2842.85217$ au				Anion complex 7@PhCO ₂ ⁻ $\Delta G^0 = -2722.96742$ au			
C	-5.437059	0.052398	0.011546	C	-0.029354	0.031410	5.146066	C	-0.084082	-0.008666	5.607436
N	-2.548046	0.077894	-0.077443	N	-0.126533	0.080752	2.261322	N	-0.100936	0.001161	2.719269
C	-4.665982	-1.108310	0.059624	C	0.054950	1.210378	4.404545	C	-0.087432	1.164442	4.852644
C	-4.690782	1.225856	-0.090426	C	-0.164384	-1.121205	4.371371	C	-0.086482	-1.176462	4.844283
C	-3.274335	1.198828	-0.123737	C	-0.191512	-1.055588	2.957332	C	-0.107535	-1.129633	3.428775
C	-3.251182	-1.055073	0.002953	C	-0.012230	1.192592	2.990141	C	-0.084202	1.126959	3.436741
S	-5.238761	-2.751174	0.156836	S	0.252199	2.834489	5.005976	S	-0.098073	2.804492	5.442135
S	-5.300851	2.852736	-0.218016	S	-0.300526	-2.767514	4.928290	S	-0.064909	-2.820536	5.422733
C	-3.600894	-3.361478	0.104271	C	0.219832	3.480336	3.378292	C	-0.076369	3.429762	3.807370
H	-3.442224	-4.427996	0.131221	H	0.315429	4.545849	3.238822	H	-0.072412	4.498258	3.659661
C	-2.659211	-2.384011	0.025128	C	0.067871	2.527391	2.420574	C	-0.064932	2.459741	2.854723
C	-3.675597	3.491537	-0.302931	C	-0.368686	-3.358100	3.280250	C	-0.109253	-3.434763	3.784292
H	-3.539374	4.557437	-0.398864	H	-0.453836	-4.420179	3.111475	H	-0.113907	-4.502262	3.629519
C	-2.711495	2.535569	-0.234036	C	-0.293281	-2.371477	2.348136	C	-0.136363	-2.458627	2.838309
C	-6.938442	0.037604	-0.008186	C	0.088475	-0.001109	6.642838	C	-0.019959	-0.014332	7.107697
H	-7.322462	0.948374	0.468144	H	-0.497860	-0.838124	7.041822	H	-0.544172	-0.896322	7.496254
H	-7.307952	-0.810901	0.580804	H	-0.335736	0.917503	7.067069	H	-0.541456	0.866289	7.502880
C	-7.486589	-0.059377	-1.442381	C	1.552752	-0.142973	7.092347	C	1.431820	-0.017492	7.616400
H	-7.098433	-0.970738	-1.913235	H	2.135367	0.692125	6.684773	H	1.951295	0.864482	7.222430
H	-7.111037	0.788121	-2.028644	H	1.971209	-1.062447	6.665204	H	1.950285	-0.897954	7.217881
C	-9.012669	-0.071354	-1.456353	C	1.671027	-0.170860	8.613669	C	1.488477	-0.021679	9.141509
H	-9.396306	-0.143506	-2.478572	H	2.714730	-0.276876	8.924872	H	2.523325	-0.029367	9.496885
H	-9.412461	0.844467	-1.007070	H	1.104654	-1.010120	9.032362	H	0.983424	-0.905648	9.546438
H	-9.399543	-0.923804	-0.887043	H	1.278290	0.753516	9.051443	H	0.994733	0.866432	9.551224
N	-1.275323	-2.495389	-0.050959	N	-0.031995	2.656589	1.041323	N	-0.026025	2.574652	1.470788
H	-0.740590	-1.621094	-0.069212	H	-0.292818	1.815876	0.510487	H	0.105336	1.710271	0.932450
N	-1.328112	2.679657	-0.247472	N	-0.275915	-2.452556	0.960076	N	-0.201431	-2.565282	1.454260
H	-0.767289	1.874047	0.055286	H	-0.087973	-1.581423	0.451086	H	-0.365682	-1.700814	0.924625
C	-0.603683	-3.688412	-0.164058	C	0.104909	3.844806	0.362291	C	-0.091084	3.771855	0.793034
C	-0.681618	3.866586	-0.487109	C	-0.291530	-3.634185	0.255427	C	-0.136242	-3.757051	0.767528
O	-1.176712	-4.777322	-0.159513	O	0.429560	4.895178	0.919137	O	-0.265228	4.847652	1.368661
O	-1.270851	4.897143	-0.810491	O	-0.473312	-4.726654	0.793859	O	0.072645	-4.833796	1.329630
C	1.726502	-4.517263	-0.413415	C	-0.013634	4.696326	-1.975495	C	-0.067995	4.629858	-1.541111
C	3.824072	-6.354818	-0.658183	C	0.209550	6.476428	-4.090393	C	-0.286193	6.496005	-3.662749
C	1.476937	-5.893555	-0.286088	C	0.343747	6.031245	-1.737367	C	-0.025559	6.005338	-1.281299
C	3.040386	-4.079565	-0.666324	C	-0.255968	4.277659	-3.294822	C	-0.220832	4.198600	-2.867936
C	4.079645	-4.988032	-0.786846	C	-0.147899	5.164075	-4.359289	C	-0.323502	5.117079	-3.905432
C	2.526137	-6.798504	-0.413243	C	0.456722	6.923054	-2.805392	C	-0.140064	6.911412	-2.337748
H	0.476037	-6.248596	-0.086984	H	0.532721	6.372594	-0.729401	H	0.092419	6.364511	-0.268095
H	3.237614	-3.015328	-0.769861	H	-0.529660	3.242176	-3.484702	H	-0.265286	3.131891	-3.077950
H	5.086667	-4.630816	-0.980854	H	-0.334002	4.843998	-5.379668	H	-0.443215	4.752900	-4.923969
H	2.322868	-7.860639	-0.311397	H	0.733835	7.958829	-2.635222	H	-0.109929	7.976036	-2.114719
C	1.638837	4.764605	-0.507744	C	0.020203	-4.518292	-2.018911	C	-0.209556	-4.606184	-1.567917
C	3.703701	6.633823	-0.788145	C	0.260734	-6.489492	-3.942756	C	-0.035574	-6.468950	-3.695901
C	2.961489	4.432230	-0.163647	C	0.977507	-4.405256	-3.034240	C	-0.087342	-4.172643	-2.897081
C	1.362845	6.051142	-1.001829	C	-0.817386	-5.639817	-1.982562	C	-0.249612	-5.981652	-1.309315
C	2.396316	6.971427	-1.136684	C	-0.690574	-6.638969	-2.946332	C	-0.158286	-6.886358	-2.369231
C	3.985915	5.356466	-0.303178	C	1.097962	-5.388349	-4.013144	C	-0.009442	-5.089547	-3.937990
H	3.178885	3.437855	0.218419	H	1.640395	-3.544815	-3.049989	H	-0.055095	-3.105540	-3.107036
H	0.353685	6.324939	-1.273612	H	-1.566863	-5.729824	-1.205262	H	-0.352857	-6.341948	-0.294782

H	2.173769	7.964093	-1.519161	H	-1.329522	-7.516239	-2.933188	H	-0.192883	-7.951245	-2.148208
H	4.999460	5.079753	-0.030375	H	1.834739	-5.309493	-4.806173	H	0.078843	-4.723528	-4.959132
N	0.756233	-3.524422	-0.286624	N	-0.153317	3.721093	-0.977828	N	0.053126	3.629629	-0.560952
H	1.090766	-2.553572	-0.272285	H	-0.462195	2.795007	-1.289509	H	0.198354	2.673630	-0.900788
N	0.683202	3.764507	-0.338739	N	-0.093590	-3.463641	-1.091082	N	-0.312708	-3.609058	-0.582018
H	1.024024	2.867245	0.017293	H	0.198040	-2.529407	-1.397396	H	-0.496988	-2.657294	-0.912402
C	4.929617	-7.343127	-0.844238	F	0.320588	7.350776	-5.124890	C	-0.373100	7.488889	-4.794889
C	4.791207	7.639965	-0.984991	F	0.378417	-7.460657	-4.884583	H	0.609941	7.648224	-5.253389
F	6.129039	-6.852878	-0.473993	C	-0.393585	0.112237	-1.732082	H	-0.734680	8.458762	-4.441439
F	5.068555	-7.727458	-2.136808	O	0.438793	-0.687880	-1.224996	H	-1.047418	7.134052	-5.580243
F	4.735174	-8.476240	-0.141374	O	-0.991979	1.025400	-1.100586	C	0.086555	-7.460336	-4.826028
F	5.127663	7.789016	-2.289012	C	-0.703684	-0.033294	-3.208158	H	1.133643	-7.588830	-5.124660
F	5.926214	7.316991	-0.338476	C	-1.278350	-0.317480	-5.932987	H	-0.466428	-7.124173	-5.708562
F	4.434958	8.870941	-0.558417	C	-1.775290	0.660975	-3.778815	H	-0.297358	-8.441225	-4.531271
C	1.353088	0.111063	0.836512	C	0.079797	-0.865863	-4.012489	C	-0.196821	0.004062	-1.314644
O	0.838134	1.257797	0.914022	C	-0.202973	-1.007479	-5.370201	O	-0.924088	-0.831825	-0.712995
O	1.022467	-0.768768	-0.003712	C	-2.064553	0.516972	-5.135095	O	0.550070	0.849724	-0.751559
C	2.448825	-0.222732	1.828513	H	-2.380523	1.308889	-3.151427	C	-0.221770	-0.008851	-2.829782
C	4.483648	-0.820770	3.656537	H	0.918482	-1.391345	-3.566841	C	-0.269632	-0.031739	-5.627796
C	2.811180	-1.550407	2.073085	H	0.414411	-1.653711	-5.988137	C	0.756236	0.676070	-3.557528
C	3.106477	0.803890	2.513747	H	-2.902214	1.054348	-5.570974	C	-1.223826	-0.705578	-3.512388
C	4.125911	0.507722	3.417335	H	-1.502655	-0.428177	-6.990295	C	-1.251861	-0.713421	-4.906327
C	3.820158	-1.850767	2.987011					C	0.736834	0.661169	-4.951547
H	2.290205	-2.351788	1.558254					H	1.531050	1.218106	-3.022756
H	2.815104	1.833584	2.327968					H	-1.978967	-1.240165	-2.942955
H	4.639559	1.311594	3.937075					H	-2.036907	-1.252000	-5.429839
H	4.087808	-2.886675	3.176195					H	1.503769	1.190830	-5.509914
H	5.274884	-1.052241	4.364214					H	-0.288239	-0.040447	-6.714193

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