Supporting Information

Predicting the Surface Tension of Deep Eutectic Solvents Using Artificial Neural Networks

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Abbreviations

[1,2-ButOH]	1,2-butanediol
[1,3-ButOH]	1,3-butanediol
[PDA]	1,3-propanediamine
[1,4-ButOH]	1,4-butanediol
[PenOH]	1,5-pentandiol
[HexOH]	1,6-hexanediol
[TFA]	2,2,2-Trifluoroacetamide
[2,3-ButOH]	2,3-butanediol
[FuA]	2-furoic acid
[Ace]	acetamide
[AA]	acetic acid
[Act]	acetone
[AcCh]	acetylcholine
[ATPP]	allyltriphenylphosphonium
[Arg]	arginine
[AspA]	aspartic acid
[BenA]	benzilic acid
[BTP]	benzyltriphenylphosphonium
[Bet]	betaine
[$N(SO_2CF_3)_2$]	bis(trifluoromethylsulfonyl)imide
[bor]	borneol
[Br]	bromide
[BA]	butylammonium
[Cam]	camphor
[CaA]	capric acid
[CapA]	caprylic acid
[Cl]	chloride
[Ch]	choline
[CA]	citric acid
[ManA]	D-(+)-mandelic acid
[DEG]	diethylene glycol
[DGA]	diglycolic acid
[Men]	DL-menthol
[Eth]	ethanol
[EtAc]	ethyl acetate
[EA]	ethylammonium
[EG]	ethylene glycol
[FA]	formic acid
[Fru]	fructose
[Glu]	glucose
[GluA]	glutamic acid
[Gly]	glycerol
[GlyA]	glycolic acid
[HSO_4]	hydrogen sulfate
[$FeCl_3$]	iron(III) chloride
[IsoOH]	isopropanol
[LacA]	lactic acid
[LevA]	levulinic acid
[MalA]	malonic acid
[Mal]	maltose
[Mat]	matrine
[Met]	methionine
[MTP]	methyltriphenylphosphium
[MEA]	monoethanolamine
[DEEA]	N,N-diethylenethanolammonium
[N-DEEA]	N,N-diethylethanolammonium
[Nin]	ninhydrin
[NMA]	N-methylacetamide
[MDEA]	n-methyldiethanolamine
[MPPyr]	n-methyl-n-propylpyrrolidinium
[OcA]	octanoic acid
[OA]	oxalic acid
[Pae]	paeonol
[Ph]	phenol
[PAA]	phenylacetic acid
[PEG200]	polyethylene glycol 200
[PEG400]	polyethylene glycol 400
[PA]	propionic acid
[PA]	propylammonium
[TBA]	tetrabutylammonium
[TEA]	tetraethylammonium
[TPA]	tetrapropylammonium
[ThU]	thiourea
[Thy]	thymol
[TEG]	triethylene glycol
[TEG]	triethylene glycol
[TMG]	trimethyl glicine
[U]	urea
[H_2O]	water
[Xyl]	xylitol
[$ZnCl_2$]	zinc chloride

Table S.1. The 1571 experimental surface tension data of the DESs used in this work.

T/ K	γ/mN.m^{-1}	Uncer. (±)	Ref.	T/ K	γ/mN.m^{-1}	Uncer. (±)	Ref.
DES1 - [AcCh][Cl]:U (1:2) x_1= 0.333, x_2= 0.667, x_3= 0.000				**DES2.1 -** [ATPP][Br]:DEG (1:10) x_1= 0.091, x_2= 0.909, x_3= 0.000			
313.15	65.1	-	1	298.15	46.34	0.03	2
				303.15	45.72	0.03	
				308.15	45.13	0.03	
				313.15	44.53	0.03	
				318.15	43.96	0.03	
				323.15	43.28	0.03	
				328.15	42.71	0.03	
				333.15	42.10	0.03	
				338.15	41.46	0.03	
				343.15	40.86	0.03	
DES2.2 - [ATPP][Br]:DEG (1:4) x_1= 0.200, x_2= 0.500, x_3= 0.000				**DES3.1 -** [ATPP][Br]:TEG (1:16) x_1= 0.059, x_2= 0.941, x_3= 0.000			
298.15	49.37	0.03	2	303.15	47.68	0.03	3
303.15	48.87	0.03		328.15	44.35	0.03	
308.15	48.35	0.03		298.15	48.25	0.03	
313.15	47.83	0.03		308.15	47.01	0.03	
318.15	47.33	0.03		313.15	46.39	0.03	
323.15	46.82	0.03		318.15	45.72	0.03	
328.15	46.35	0.03		323.15	44.99	0.03	
333.15	45.86	0.03		333.15	43.62	0.03	
338.15	45.36	0.03		338.15	43.00	0.03	
343.15	44.90	0.03		343.15	42.38	0.03	
298.15	47.38	0.03		298.15	45.37	0.03	
303.15	46.88	0.03		303.15	44.69	0.03	
308.15	46.33	0.03		308.15	44.12	0.03	
313.15	45.82	0.03		313.15	43.55	0.03	
318.15	45.33	0.03		318.15	42.91	0.03	
323.15	44.80	0.03		323.15	42.33	0.03	
328.15	44.30	0.03		328.15	41.82	0.03	
333.15	43.85	0.03		333.15	41.17	0.03	
338.15	43.36	0.03		338.15	40.55	0.03	
343.15	42.89	0.03		343.15	40.11	0.03	
DES3.2 - [ATPP][Br]:TEG (1:10) x_1= 0.091, x_2= 0.909, x_3= 0.000				**DES4 -** [BA][Br]:Gly (1:2) x_1= 0.333, x_2= 0.667, x_3= 0.000			
298.15	46.21	0.03	3	298.15	44.9	-	4
303.15	45.66	0.03					
308.15	45.01	0.03					
313.15	44.33	0.03					
318.15	43.66	0.03					
323.15	42.96	0.03					
328.15	42.27	0.03					
333.15	41.62	0.03					
338.15	41.11	0.03					
343.15	40.58	0.03					
DES5 - [BTP][Cl]:DEG (1:7) x_1= 0.125, x_2= 0.875, x_3= 0.000				**DES6 -** [BTP][Cl]:EG (1:11) x_1= 0.250, x_2= 0.750 x_3= 0.000			
293.00	66.68	0.10	5	298.15	66.93	0.10	6
303.00	65.24	0.10					
313.00	61.01	0.10					
323.00	57.05	0.10					
333.00	46.37	0.10					
343.00	38.58	0.10					
353.00	32.71	0.10					
DES7.1 - [Ch][Cl]:1,2-ButOH (1:19) x_1= 0.050, x_2= 0.950, x_3= 0.000				**DES7.2 -** [Ch][Cl]:1,2-ButOH (1:9) x_1= 0.100, x_2= 0.900, x_3= 0.000			
	32.90		7				7
293.00	32.80	-		293.00	33.70	-	
295.00	32.50	-		295.00	33.40	-	
297.00	32.30	-		297.00	33.20	-	
299.00	32.10	-		299.00	33.00	-	
301.00	31.90	-		301.00	32.80	-	
303.00	31.70	-		303.00	32.60	-	
305.00	31.60	-		305.00	32.20	-	
307.00	31.30	-		307.00	32.00	-	
309.00	31.10	-		309.00	31.90	-	
311.00		-		311.00	31.70	-	

DES7.3 - [Ch][Cl]:1,2-ButOH (1:5.67) x_1= 0.150 x_2= 0.850, x_3= 0.000			**DES7.4 -** [Ch][Cl]:1,2-ButOH (1:4) x_1= 0.200, x_2= 0.800, x_3= 0.000		
293.00	34.20	-	293.00	34.70	-
295.00	33.90	-	295.00	34.50	-
297.00	33.70	-	297.00	34.30	-
299.00	33.40	-	299.00	34.20	-
301.00	33.30	- [7]	301.00	34.10	- [7]
303.00	33.20	-	303.00	33.90	-
305.00	33.10	-	305.00	33.70	-
307.00	33.00	-	307.00	33.50	-
309.00	32.90	-	309.00	33.40	-
311.00	32.60	-	311.00	33.20	-
DES8.1 - [Ch][Cl]:1,3-ButOH (1:19) x_1= 0.050, x_2= 0.950, x_3= 0.000			**DES8.2-** [Ch][Cl]:1,3-ButOH (1:19) x1= 0.100, x2= 0.900, x3= 0.000		
293.00	34.40	-	293.00	38.20	-
295.00	34.20	-	295.00	37.90	-
297.00	34.00	-	297.00	37.80	-
299.00	33.90	-	299.00	37.50	-
301.00	33.70	- [7]	301.00	37.50	- [7]
303.00	33.40	-	303.00	36.90	-
305.00	33.00	-	305.00	36.50	-
307.00	32.60	-	307.00	36.20	-
309.00	32.30	-	309.00	35.90	-
311.00	31.90	-	311.00	35.70	-
DES8.3 - [Ch][Cl]:1,3-ButOH (1:5.67) x_1= 0.150, x_2= 0.850, x_3= 0.000			**DES8.4 -** [Ch][Cl]:1,3-ButOH (1:4) x_1= 0.200, x_2= 0.800, x_3= 0.000		
293.00	39.00	-	293.00	40.10	-
295.00	38.90	-	295.00	39.80	-
297.00	38.60	-	297.00	39.60	-
299.00	38.30	-	299.00	39.60	-
301.00	38.30	- [7]	301.00	39.20	- [7]
303.00	38.20	-	303.00	39.20	-
305.00	38.00	-	305.00	38.90	-
307.00	37.60	-	307.00	38.50	-
309.00	37.20	-	309.00	38.30	-
311.00	36.90	-	311.00	38.10	-
DES9.1 - [Ch][Cl]:1,4-ButOH (1:19) x_1= 0.050, x_2= 0.950, x_3= 0.000			**DES9.2 -** [Ch][Cl]:1,4-ButOH (1:9) x_1= 0.100, x_2= 0.900, x_3= 0.000		
293.00	46.40	-	293.00	46.80	-
295.00	46.30	-	295.00	46.70	-
297.00	46.10	-	297.00	46.60	-
299.00	46.00	-	299.00	46.40	-
301.00	45.90	- [7]	301.00	46.30	- [7]
303.00	45.80	-	303.00	46.30	-
305.00	45.70	-	305.00	46.20	-
307.00	45.60	-	307.00	46.10	-
309.00	45.40	-	309.00	46.00	-
311.00	45.30	-	311.00	45.80	-
DES9.3 - [Ch][Cl]:1,4-ButOH (1:5.67) x_1= 0.150, x_2= 0.850, x_3= 0.000			**DES9.4 -** [Ch][Cl]:1,4-ButOH (1:4) x_1= 0.200, x_2= 0.800, x_3= 0.000		
293.00	46.90	-	293.00	47.40	-
295.00	46.80	-	295.00	47.30	-
297.00	46.80	-	297.00	47.10	-
299.00	46.70	-	299.00	47.00	-
301.00	46.50	- [7]	301.00	46.90	- [7]
303.00	46.40	-	303.00	46.80	-
305.00	46.30	-	305.00	46.60	-
307.00	46.10	-	307.00	46.60	-
309.00	46.00	-	309.00	46.30	-
311.00	46.00	-	311.00	46.20	-
DES9.5 - [Ch][Cl]:1,4-ButOH (1:3) x_1= 0.250, x_2= 0.750, x_3= 0.000			**DES10.1 -** [Ch][Cl]:2,3-ButOH (1:19) x_1= 0.050, x_2= 0.950, x_3= 0.000		
293.00	47.60	-	293.00	34.20	-
295.00	47.50	-	295.00	34.00	-
297.00	47.40	-	297.00	33.70	-
299.00	47.40	-	299.00	33.70	-
301.00	47.30	- [7]	301.00	33.50	- [7]
303.00	47.30	-	303.00	33.20	-
305.00	47.20	-	305.00	33.00	-
307.00	47.10	-	307.00	32.90	-
309.00	47.10	-	309.00	32.60	-
311.00	47.00	-	311.00	32.30	-

DES10.2 - [Ch][Cl]:2,3-ButOH (1:9) x_1= 0.100, x_2= 0.900, x_3= 0.000				**DES10.3 -** [Ch][Cl]:2,3-ButOH (1:5.67) x_1= 0.150, x_2= 0.850, x_3= 0.000			
293.00	34.50	-		293.00	35.10	-	
295.00	34.30	-		295.00	34.90	-	
297.00	34.10	-		297.00	34.60	-	
299.00	33.90	-		299.00	34.40	-	
301.00	33.40	-	7	301.00	34.20	-	7
303.00	33.30	-		303.00	34.00	-	
305.00	33.20	-		305.00	33.70	-	
307.00	33.10	-		307.00	33.50	-	
309.00	32.80	-		309.00	33.30	-	
311.00	32.80	-		311.00	33.00	-	
DES10.4 - [Ch][Cl]:2,3-ButOH (1:4) x_1= 0.200, x_2= 0.800, x_3= 0.000				**DES11 -** [Ch][Cl]:BenA (1:1) x_1= 0.500, x_2= 0.500, x_3= 0.000			
293.00	35.60	-					
295.00	35.40	-					
297.00	34.90	-					
299.00	34.70	-		333.15	51.53	0.20	
301.00	34.70	-		338.15	50.32	0.20	
303.00	34.50	-	7	343.15	49.10	0.20	8
305.00	34.30	-		348.15	48.01	0.20	
307.00	34.00	-		353.15	46.90	0.20	
309.00	33.70	-					
311.00	33.50	-					
DES12.1 - [Ch][Cl]:CA:H_2O (1:2:10.5) x_1= 0.074, x_2= 0.149, x_3= 0.777				**DES12.2 -** [Ch][Cl]:CA:H2O (1.01:1:6.05) x_1= 0.125, x_2= 0.124, x_3= 0.751			
				278.15	70.49	0.01	
				280.65	70.30	0.01	
				283.15	70.00	0.01	
				285.65	69.86	0.01	
				288.15	69.59	0.01	
				290.65	69.33	0.01	
				293.15	69.14	0.01	
				295.65	68.76	0.01	
				298.15	68.59	0.01	
				300.65	68.34	0.01	
				303.15	68.18	0.01	
				305.65	67.90	0.01	
313.15	60.35	0.27	9	308.15	67.60	0.01	10
333.15	46.72	0.06		310.65	67.26	0.01	
				313.15	67.14	0.01	
				315.65	66.88	0.01	
				318.15	66.60	0.01	
				320.65	66.28	0.01	
				323.15	65.96	0.01	
				325.65	65.70	0.01	
				328.15	65.48	0.01	
				330.65	65.22	0.01	
				333.15	65.08	0.01	
				335.65	64.93	0.01	
				338.15	64.80	0.01	
DES13 - [Ch][Cl]:CA (1:2) x_1= 0.333, x_2= 0.667, x_3= 0.000				**DES14 -** [Ch][Cl]:DEG (1:2) x_1= 0.333, x_2= 0.667, x_3= 0.000			
				293.00	48.40	0.10	
				303.00	44.44	0.10	
				313.00	42.81	0.10	
313.15	60.35	0.27	11	323.00	41.85	0.10	5
				333.00	38.20	0.10	
				343.00	36.47	0.10	
				353.00	34.16	0.10	
DES15 - [Ch][Cl]:DGA (1:1) x_1= 0.500, x_2= 0.500, x_3= 0.000				**DES16 -** [Ch][Cl]:EG:H_2O (1:1.98:0.95) x_1= 0.254, x_2= 0.504, x_3= 0.242			
				278.15	56.90	0.20	
				280.65	56.80	0.20	
				283.15	56.70	0.20	
303.15	67.69	0.10		285.65	56.60	0.20	
313.15	65.18	0.10		288.15	56.50	0.20	
323.15	63.00	0.10	12	290.65	56.35	0.20	13
333.15	60.73	0.10		293.15	56.25	0.20	
343.15	58.30	0.10		295.65	56.10	0.20	
				298.15	56.00	0.20	
				300.65	55.90	0.20	

				303.15	55.80	0.20	
				305.65	55.65	0.20	
				308.15	55.50	0.20	
				310.65	55.45	0.20	
				313.15	55.30	0.20	
				315.65	55.20	0.20	
				318.15	55.10	0.20	
				320.65	55.00	0.20	
				323.15	54.85	0.20	
				325.65	54.75	0.20	
				328.15	54.60	0.20	
				330.65	54.50	0.20	
				333.15	54.40	0.20	
				335.65	54.30	0.20	
				338.15	54.15	0.20	
DES17.1 - [Ch][Cl]:EG (1:19) x_1= 0.050, x_2= 0.950, x_3= 0.000				**DES17.2 -** [Ch][Cl]:EG (1:9) x_1= 0.100, x_2= 0.900, x_3= 0.000			
277.00	48.00	-		277.00	49.50	-	
279.00	47.80	-		279.00	49.30	-	
281.00	47.40	-		281.00	48.90	-	
283.00	47.10	-		283.00	48.60	-	
285.00	46.80	-	7	285.00	48.30	-	7
287.00	46.40	-		287.00	48.00	-	
289.00	46.20	-		289.00	47.80	-	
291.00	45.80	-		291.00	47.60	-	
293.00	45.70	-		293.00	47.50	-	
DES17.3 - [Ch][Cl]:EG (1:6) x_1= 0.143, x_2= 0.857, x_3= 0.000				**DES17.4 -** [Ch][Cl]:EG (1:5.67) x_1= 0.150, x_2= 0.850, x_3= 0.000			
				277.00	51.40	-	
				279.00	51.20	-	
				281.00	51.00	-	
				283.00	50.70	-	
298.15	46.90	0.01	14	285.00	50.40	-	7
				287.00	50.20	-	
				289.00	49.90	-	
				291.00	49.70	-	
				293.00	49.60	-	
DES17.5 - [Ch][Cl]:EG (1:4) x_1= 0.200, x_2= 0.800, x_3= 0.000				**DES17.6 -** [Ch][Cl]:EG (1:3) x_1= 0.250, x_2= 0.750, x_3= 0.000			
277.00	50.60	-		277.00	50.80	-	
279.00	50.20	-		279.00	50.40	-	
281.00	50.00	-		281.00	50.00	-	
283.00	49.80	-		283.00	49.60	-	
285.00	49.70	-	7	285.00	49.40	-	7
287.00	49.40	-		287.00	49.20	-	
289.00	49.30	-		289.00	48.90	-	
291.00	49.20	-		291.00	48.60	-	
293.00	49.00	-		293.00	48.30	-	
DES17.7 - [Ch][Cl]:EG (1:2.33) x_1= 0.300, x_2= 0.700, x_3= 0.000				**DES17.8 -** [Ch][Cl]:EG (1:2) x_1= 0.333, x_2= 0.667, x_3= 0.000			
277.00	49.60	-		277.00	50.00	-	
279.00	49.20	-		279.00	49.80	-	
281.00	48.90	-		281.00	49.40	-	
283.00	48.70	-		283.00	49.20	-	
285.00	48.40	-	7	285.00	49.10	-	7
287.00	48.20	-		287.00	48.60	-	
289.00	48.00	-		289.00	48.30	-	
291.00	47.70	-		291.00	47.90	-	
293.00	47.50	-		293.00	47.70	-	
DES18.1 - [Ch][Cl]:Fru (1:1) x_1= 0.500, x_2= 0.500, x_3= 0.000				**DES18.2 -** [Ch][Cl]:Fru (1.5:1) x_1= 0.600, x_2= 0400, x_3= 0.000			
298.15	70.40	0.10		298.15	73.60	0.10	
308.15	68.00	0.10		308.15	71.70	0.10	
318.15	66.00	0.10		318.15	69.50	0.10	
328.15	64.40	0.10	15	328.15	67.30	0.10	15
338.15	62.60	0.10		338.15	65.60	0.10	
348.15	61.00	0.10		348.15	63.00	0.10	
358.15	59.00	0.10		358.15	61.30	0.10	
DES18.3 - [Ch][Cl]:Fru (2:1) x_1= 0.667, x_2= 0.333, x_3= 0.000				**DES18.4 -** [Ch][Cl]:Fru (2.5:1) x_1= 0.714, x_2= 0.286, x_3= 0.000			
298.15	74.00	0.10	15	298.15	75.00	0.10	15
308.15	72.00	0.10		308.15	73.00	0.10	

318.15	70.00	0.10		318.15	71.00	0.10	
328.15	68.00	0.10		328.15	69.00	0.10	
338.15	66.00	0.10		338.15	67.00	0.10	
348.15	64.00	0.10		348.15	65.00	0.10	
358.15	62.00	0.10		358.15	63.00	0.10	
DES19 - [Ch][Cl]:Glu:H_2O (3:1:3) x_1= 0.429, x_2= 0.143, x_3= 0.429				**DES20.1 -** [Ch][Cl]:Glu (1:1) x_1= 0.500, x_2= 0.500, x_3= 0.000			
298.15	78.70	0.01					
300.65	78.00	0.01					
303.15	77.20	0.01					
305.65	76.30	0.01					
308.15	75.70	0.01					
310.65	74.70	0.01					
313.15	73.80	0.01					
315.65	73.20	0.01					
318.15	72.30	0.01	[16]	293.15	73.10	0.01	[17]
320.65	71.50	0.01					
323.15	70.90	0.01					
325.65	69.90	0.01					
328.15	69.20	0.01					
330.65	68.30	0.01					
333.15	67.60	0.01					
335.65	66.70	0.01					
338.15	65.80	0.01					
DES20.2 - [Ch][Cl]:Glu (1.5:1) x_1= 0.600, x_2= 0400, x_3= 0.000				**DES20.3 -** [Ch][Cl]:Glu (1:2) x_1= 0.333, x_2= 0.667, x_3= 0.000			
				298.15	71.71	0.10	
				308.15	71.11	0.10	
				318.15	70.42	0.10	
293.15	72.70	0.01	[17]	328.15	69.95	0.10	[18]
				338.15	69.44	0.10	
				348.15	68.91	0.10	
				358.15	68.61	0.10	
DES20.4 - [Ch][Cl]:Glu (2:1) x_1= 0.667, x_2= 0.333, x_3= 0.000				**DES20.5 -** [Ch][Cl]:Glu (2.5:1) x_1= 0.714, x_2= 0.286, x_3= 0.000			
293.15	71.70	0.01					
298.15	71.10	0.20					
308.15	70.40	0.20					
318.15	70.00	0.20	[17,19]	293.15	75.00	0.01	[17]
328.15	69.40	0.20					
338.15	68.90	0.20					
348.15	68.90	0.20					
358.15	68.60	0.20					
DES21 - [Ch][Cl]:Gly:H_2O (1:2:5.51) x_1= 0.118, x_2= 0.235, x_3= 0.647				**DES22.1 -** [Ch][Cl]:Gly (1:19) x_1= 0.050, x_2= 0.950, x_3= 0.000			
				293.00	63.70	-	
				298.00	62.80	-	
				303.00	62.00	-	
313.15	56.12	0.14	[9]	308.00	61.30	-	[7]
333.15	42.55	0.07		313.00	60.50	-	
				318.00	59.80	-	
				323.00	59.30	-	
				328.00	58.70	-	
DES22.2 - [Ch][Cl]:Gly (1:9) x_1= 0.150, x_2= 0.850, x_3= 0.000				**DES22.3 -** [Ch][Cl]:Gly (1:5.67) x_1= 0.150, x_2= 0.850, x_3= 0.000			
293.00	61.60	-		293.00	60.80	-	
298.00	61.00	-		298.00	60.20	-	
303.00	60.30	-		303.00	59.70	-	
308.00	59.50	-	[7]	308.00	59.10	-	[7]
313.00	59.00	-		313.00	58.70	-	
318.00	58.40	-		318.00	58.10	-	
323.00	57.90	-		323.00	57.60	-	
328.00	57.50	-		328.00	57.30	-	
DES22.4 - [Ch][Cl]:Gly (1:4) x_1= 0.200, x_2= 0.800, x_3= 0.000				**DES22.5 -** [Ch][Cl]:Gly (1:3) x_1= 0.250, x_2= 0.750, x_3= 0.000			
293.00	57.40	-		293.00	50.80	-	
298.00	57.00	-		298.00	50.30	-	
303.00	56.60	-		303.00	49.90	-	
308.00	56.10	-	[7]	308.00	49.30	-	[7]
313.00	55.70	-		313.00	48.90	-	
318.00	55.20	-		318.00	48.40	-	
323.00	54.80	-		323.00	48.00	-	

328.00	54.40	-		328.00	47.60	-	
DES22.6 - [Ch][Cl]:Gly (1:2.33) x_1= 0.250, x_2= 0.750, x_3= 0.000				**DES22.7 -** [Ch][Cl]:Gly (1:2) x_1= 0.250, x_2= 0.750, x_3= 0.000			
293.00	48.50	-		293.00	55.80	-	
298.00	48.00	-		298.00	55.40	-	
303.00	47.50	-		303.00	55.00	-	
308.00	47.10	-	[7]	308.00	54.70	-	[7]
313.00	46.70	-		313.00	54.20	-	
318.00	46.40	-		318.00	53.80	-	
323.00	46.00	-		323.00	53.40	-	
328.00	45.60	-		328.00	53.00	-	
DES23.1 - [Ch][Cl]:HexOH (1:19) x_1= 0.050, x_2= 0.950, x_3= 0.000				**DES23.2 -** [Ch][Cl]:HexOH (1:9) x_1= 0.150, x_2= 0.850, x_3= 0.000			
316.50	42.30	-		316.50	42.60	-	
319.00	42.10	-		319.00	42.40	-	
321.50	41.90	-		321.50	42.30	-	
324.00	41.50	-	[7]	324.00	41.80	-	[7]
326.50	41.30	-		326.50	41.70	-	
329.00	41.20	-		329.00	41.60	-	
331.50	41.10	-		331.50	41.50	-	
334.50	41.00	-		334.50	41.30	-	
DES23.3 - [Ch][Cl]:HexOH (1:5.67) x_1= 0.150, x_2= 0.850, x_3= 0.000				**DES23.4 -** [Ch][Cl]:HexOH (1:4) x_1= 0.200, x_2= 0.800, x_3= 0.000			
316.50	42.80	-		316.50	43.20	-	
319.00	42.60	-		319.00	43.10	-	
321.50	42.50	-		321.50	43.00	-	
324.00	42.40	-	[7]	324.00	42.90	-	[7]
326.50	42.20	-		326.50	42.60	-	
329.00	42.20	-		329.00	42.60	-	
331.50	42.00	-		331.50	42.50	-	
334.50	42.00	-		334.50	42.30	-	
DES23.5 - [Ch][Cl]:HexOH (1:3) x_1= 0.250, x_2= 0.750, x_3= 0.000				**DES24 -** [Ch][Cl]:LacA:H_2O (1:2:5.26) x_1= 0.121, x_2= 0.242, x_3= 0.637			
316.50	43.60	-					
319.00	43.50	-					
321.50	43.40	-					
324.00	43.30	-	[7]	313.15	42.42	0.12	[9]
326.50	43.10	-		333.15	32.02	0.11	
329.00	42.90	-					
331.50	42.70	-					
334.50	42.70	-					
DES25 - [Ch][Cl]:LacA (1:2) x_1= 0.333, x_2= 0.667, x_3= 0.000				**DES26 -** [Ch][Cl]:LevA (1:2) x_1= 0.333, x_2= 0.667, x_3= 0.000			
298.20	48.00	0.10					
303.30	47.60	0.10					
308.30	47.30	0.10					
313.50	47.00	0.10					
319.20	46.70	0.10	[20]	298.15	39.35	1.00	[21]
323.50	46.50	0.10					
328.60	46.20	0.10					
333.20	46.00	0.10					
338.10	45.70	0.10					
DES27 - [Ch][Cl]:Mal:H_2O (1:2:18.54) x_1= 0.046, x_2= 0.093, x_3= 0.861				**DES28.1 -** [Ch][Cl]:MalA:H_2O (1:1:20) x_1= 0.045, x_2= 0.045, x_3= 0.909			
313.15	74.49	0.90	[9]	323.15	68.20	0.10	[22]
333.15	37.36	1.12					
DES28.2 - [Ch][Cl]:MalA:H_2O (1:1:20) x_1= 0.083, x_2= 0.083, x_3= 0.833				**DES28.3 -** [Ch][Cl]:MalA:H_2O (1:1:20) x_1= 0.143, x_2= 0.143, x_3= 0.714			
323.15	59.90	0.20	[22]	323.15	57.10	0.70	[22]
DES28.4 - [Ch][Cl]:MalA:H_2O (1:1:20) x_1= 0.250, x_2= 0.250, x_3= 0.500				**DES29 -** [Ch][Cl]:MalA (1:1) x_1= 0.500, x_2= 0.500, x_3= 0.000			
				298.15	65.70	0.02	
323.15	62.80	0.20	[22]	325.15	64.40	0.20	[23]
				425.15	52.30	1.90	
DES30.1 - [Ch][Cl]:MEA (1:8) x_1= 0.110, x_2= 0.890, x_3= 0.000				**DES30.2 -** [Ch][Cl]:MEA (1:7) x_1= 0.130, x_2= 0.870, x_3= 0.000			
298.15	49.60	0.10		298.15	49.20	0.10	
308.15	48.80	0.10		308.15	48.50	0.10	
318.15	47.90	0.10	[24]	318.15	47.80	0.10	[24]
328.15	47.20	0.10		328.15	47.10	0.10	
338.15	46.40	0.10		338.15	46.40	0.10	

348.15	45.80	0.10		348.15	45.80	0.10	
358.15	45.00	0.10		358.15	44.90	0.10	
DES30.3 - [Ch][Cl]:MEA (1:6) x_1= 0.140, x_2= 0860, x_3= 0.000				**DES30.4 -** [Ch][Cl]:MEA (1:5) x_1= 0.160, x_2= 0.840, x_3= 0.000			
298.15	48.2755	0.10		298.15	48.20	0.10	
308.15	47.9073	0.10		308.15	47.60	0.10	
318.15	47.3597	0.10		318.15	46.90	0.10	
328.15	46.7494	0.10	[24]	328.15	46.20	0.10	[24]
338.15	46.1479	0.10		338.15	45.60	0.10	
348.15	45.5893	0.10		348.15	45.00	0.10	
358.15	45.0869	0.10		358.15	44.40	0.10	
DES31 - [Ch][Cl]:Nin (1:0.75) x_1= 0.571, x_2= 0.429, x_3= 0.000				**DES32 -** [Ch][Cl]:OA:H_2O (1:1:2) x_1= 0.250, x_2= 0.250, x_3= 0.500			
308.15	63.70	0.20					
313.15	63.12	0.20					
318.15	62.57	0.20					
323.15	62.01	0.20	[25]	298.15	60.80	1.00	[26]
328.15	61.51	0.20					
333.15	61.02	0.20					
DES33 - [Ch][Cl]:OA (1:2) x_1= 0.333, x_2= 0.667, x_3= 0.000				**DES34 -** [Ch][Cl]:PAA (2:1) x_1= 0.667, x_2= 0.333, x_3= 0.000			
298.15	75.30	-	[27]	298.15	41.86	-	[28]
DES35.1 - [Ch][Cl]:PEG200Act (1:4:45) x_1= 0.020, x_2= 0.080, x_3= 0.900				**DES35.2 -** [Ch][Cl]:PEG200:Act (1:4:20) x_1= 0.040, x_2= 0.160, x_3= 0.800			
298.00	22.55	0.10	[29]	298.00	26.99	0.10	[29]
DES35.3 - [Ch][Cl]:PEG200:Act (1:4:11.67) x_1= 0.060, x_2= 0.240, x_3= 0.700				**DES35.4 -** [Ch][Cl]:PEG200:Act (1:4:7.5) x_1= 0.080, x_2= 0.320, x_3= 0.600			
298.00	35.74	0.10	[29]	298.00	37.90	0.10	[29]
DES35.5 - [Ch][Cl]:PEG200:Act (1:4:5) x_1= 0.100, x_2= 0.400, x_3= 0.500				**DES35.6 -** [Ch][Cl]:PEG200:Act (1:4:3.33) x_1= 0.120, x_2= 0.480, x_3= 0.400			
298.00	38.17	0.10	[29]	298.00	39.91	0.10	[29]
DES35.7 - [Ch][Cl]:PEG200:Act (1:4:2.14) x_1= 0.140, x_2= 0.560, x_3= 0.300				**DES35.8 -** [Ch][Cl]:PEG200:Act (1:4:1.25) x_1= 0.160, x_2= 0.640, x_3= 0.200			
298.00	41.93	0.10	[29]	298.00	43.68	0.10	[29]
DES35.9 - [Ch][Cl]:PEG200:Act (1:4:0.56) x_1= 0.180, x_2= 0.720, x_3= 0.100				**DES36.1 -** [Ch][Cl]:PEG200:EtAc (1:4:45) x_1= 0.020, x_2= 0.080, x_3= 0.900			
298.00	45.56	0.10	[29]	298.00	20.26	0.10	[29]
DES36.2 - [Ch][Cl]:PEG200:EtAc (1:4:20) x_1= 0.040, x_2= 0.160, x_3= 0.800				**DES36.3 -** [Ch][Cl]:PEG200:EtAc (1:4:11.67) x_1= 0.060, x_2= 0.240, x_3= 0.700			
298.00	21.21	0.10	[29]	298.00	21.35	0.10	[29]
DES36.4 - [Ch][Cl]:PEG200:EtAc (1:4:7.5) x_1= 0.080, x_2= 0.320, x_3= 0.600				**DES36.5 -** [Ch][Cl]:PEG200:EtAc (1:4:5) x_1= 0.100, x_2= 0.400, x_3= 0.500			
298.00	27.54	0.10	[29]	298.00	29.01	0.10	[29]
DES36.6 - [Ch][Cl]:PEG200:EtAc (1:4:3.33) x_1= 0.120, x_2= 0.480, x_3= 0.400				**DES36.7 -** [Ch][Cl]:PEG200:EtAc (1:4:2.14) x_1= 0.140, x_2= 0.560, x_3= 0.300			
298.00	33.72	0.10	[29]	298.00	36.69	0.10	[29]
DES36.8 - [Ch][Cl]:PEG200:EtAc (1:4:1.25) x_1= 0.160, x_2= 0.640, x_3= 0.200				**DES36.9 -** [Ch][Cl]:PEG200:EtAc (1:4:0.56) x_1= 0.180, x_2= 0.720, x_3= 0.100			
298.00	39.91	0.10	[29]	298.00	43.54	0.10	[29]
DES37.1 - [Ch][Cl]:PEG200:Eth (1:4:45) x_1= 0.020, x_2= 0.080, x_3= 0.900				**DES37.2 -** [Ch][Cl]:PEG200:Eth (1:4:20) x_1= 0.040, x_2= 0.160, x_3= 0.800			
298.00	20.94	0.10	[29]	298.00	24.70	0.10	[29]
DES37.3 - [Ch][Cl]:PEG200:Eth (1:4:11.67) x_1= 0.060, x_2= 0.240, x_3= 0.700				**DES37.4 -** [Ch][Cl]:PEG200:Eth (1:4:7.5) x_1= 0.080, x_2= 0.320, x_3= 0.600			
298.00	29.83	0.10	[29]	298.00	33.32	0.10	[29]
DES37.5 - [Ch][Cl]:PEG200:Eth (1:4:5) x_1= 0.100, x_2= 0.400, x_3= 0.500				**DES37.6 -** [Ch][Cl]:PEG200:Eth (1:4:3.33) x_1= 0.120, x_2= 0.480, x_3= 0.400			
298.00	34.13	0.10	[29]	298.00	37.35	0.10	[29]
DES37.7 - [Ch][Cl]:PEG200:Eth (1:4:2.14) x_1= 0.140, x_2= 0.560, x_3= 0.300				**DES37.8 -** [Ch][Cl]:PEG200:Eth (1:4:1.25) x_1= 0.160, x_2= 0.640, x_3= 0.200			
298.00	39.10	0.10	[29]	298.00	42.07	0.10	[29]
DES37.9 - [Ch][Cl]:PEG200:Eth (1:4:0.56) x_1= 0.180, x_2= 0.720, x_3= 0.100				**DES38.1 -** [Ch][Cl]:PEG200:$FeCl_3$:Act (1:4:0.1:45.92) x_1= 0.020, x_2= 0.078, x_3= 0.002, x_4= 0.900			
298.00	43.15	0.10	[29]	298.00	22.54	0.10	[29]
DES38.2 - [Ch][Cl]:PEG200:$FeCl_3$:Act (1:4:0.1:20.41) x_1= 0.039, x_2= 0.157, x_3= 0.004, x_4= 0.800				**DES38.3 -** [Ch][Cl]:PEG200:$FeCl_3$:Act (1:4:0.1:11.9) x_1= 0.059, x_2= 0.235, x_3= 0.006, x_4= 0.700			
298.00	27.47	0.10	[29]	298.00	32.52	0.10	[29]
DES38.4 - [Ch][Cl]:PEG200:$FeCl_3$:Act (1:4:0.1:7.65) x_1= 0.078, x_2= 0.314, x_3= 0.008, x_4= 0.600				**DES38.5 -** [Ch][Cl]:PEG200:$FeCl_3$:Act (1:4:0.1:5.1) x_1= 0.098, x_2= 0.392, x_3= 0.010, x_4= 0.500			
298.00	36.98	0.10	[29]	298.00	37.11	0.10	[29]
DES38.6 - [Ch][Cl]:PEG200:$FeCl_3$:Act (1:4:0.1:3.4)				**DES38.7 -** [Ch][Cl]:PEG200:$FeCl_3$:Act (1:4:0.1:2.19)			

x_1= 0.118, x_2= 0.470, x_3= 0.012, x_4= 0.400				x_1= 0.137, x_2= 0.549, x_3= 0.014, x_4= 0.300			
298.00	38.47	0.10	[29]	298.00	39.97	0.10	[29]
DES38.8 - [Ch][Cl]:PEG200:$FeCl_3$:Act (1:4:0.1:1.28) x_1= 0.157, x_2= 0.667, x_3= 0.016, x_4= 0.200				**DES38.9 -** [Ch][Cl]:PEG200:$FeCl_3$:Act (1:4:0.1:0.57) x_1= 0.176, x_2= 0.706, x_3= 0.018, x_4= 0.100			
298.00	39.74	0.10	[29]	298.00	38.58	0.10	[29]
DES39.1 - [Ch][Cl]:PEG200:$FeCl_3$:EtAc (1:4:0.1:45.92) x_1= 0.020, x_2= 0.078, x_3= 0.002, x_4= 0.900				**DES39.2 -** [Ch][Cl]:PEG200:$FeCl_3$:EtAc (1:4:0.1:20.41) x_1= 0.039, x_2= 0.157, x_3= 0.004, x_4= 0.800			
298.00	20.70	0.10	[29]	298.00	21.05	0.10	[29]
DES39.3 - [Ch][Cl]:PEG200:$FeCl_3$:EtAc (1:4:0.1:11.9) x_1= 0.059, x_2= 0.235, x_3= 0.006, x_4= 0.700				**DES39.4 -** [Ch][Cl]:PEG200:$FeCl_3$:EtAc (1:4:0.1:7.65) x_1= 0.078, x_2= 0.314, x_3= 0.008, x_4= 0.600			
298.00	22.41	0.10	[29]	298.00	25.85	0.10	[29]
DES39.5 - [Ch][Cl]:PEG200:$FeCl_3$:EtAc (1:4:0.1:5.1) x_1= 0.098, x_2= 0.392, x_3= 0.010, x_4= 0.500				**DES39.6 -** [Ch][Cl]:PEG200:$FeCl_3$:EtAc (1:4:0.1:3.4) x_1= 0.118, x_2= 0.470, x_3= 0.012, x_4= 0.400			
298.00	29.76	0.10	[29]	298.00	32.97	0.10	[29]
DES39.7 - [Ch][Cl]:PEG200:$FeCl_3$:EtAc (1:4:0.1:2.19) x_1= 0.137, x_2= 0.549, x_3= 0.014, x_4= 0.300				**DES39.8 -** [Ch][Cl]:PEG200:$FeCl_3$:EtAc (1:4:0.1:1.28) x_1= 0.157, x_2= 0.627, x_3= 0.016, x_4= 0.200			
298.00	36.64	0.10	[29]	298.00	38.47	0.10	[29]
DES39.9 - [Ch][Cl]:PEG200:$FeCl_3$:EtAc (1:4:0.1:0.57) x_1= 0.176, x_2= 0.706, x_3= 0.018				**DES40.1 -** [Ch][Cl]:PEG200:$FeCl_3$:Eth (1:4:0.1:45.92) x_1= 0.020, x_2= 0.078, x_3= 0.002, x_4= 0.900			
298.00	41.68	0.10	[29]	298.00	21.15	0.10	[29]
DES40.2 - [Ch][Cl]:PEG200:$FeCl_3$:Eth (1:4:0.1:20.41) x_1= 0.039, x_2= 0.157, x_3= 0.004, x_4= 0.800				**DES40.3 -** [Ch][Cl]:PEG200:$FeCl_3$:Eth (1:4:0.1:11.9) x_1= 0.059, x_2= 0.235, x_3= 0.006, x_4= 0.700			
298.00	25.06	0.10	[29]	298.00	28.39	0.10	[29]
DES40.4 - [Ch][Cl]:PEG200:$FeCl_3$:Eth (1:4:0.1:7.65) x_1= 0.078, x_2= 0.314, x_3= 0.008, x_4= 0.600				**DES40.5 -** [Ch][Cl]:PEG200:$FeCl_3$:Eth (1:4:0.1:5.1) x_1= 0.098, x_2= 0.392, x_3= 0.010, x_4= 0.500			
298.00	32.17	0.10	[29]	298.00	35.49	0.10	[29]
DES40.6 - [Ch][Cl]:PEG200:$FeCl_3$:Eth (1:4:0.1:3.4) x_1= 0.118, x_2= 0.470, x_3= 0.012, x_4= 0.400				**DES40.7 -** [Ch][Cl]:PEG200:$FeCl_3$:Eth (1:4:0.1:2.19) x_1= 0.137, x_2= 0.549, x_3= 0.014, x_4= 0.300			
298.00	36.19	0.10	[29]	298.00	37.45	0.10	[29]
DES40.8 - [Ch][Cl]:PEG200:$FeCl_3$:Eth (1:4:0.1:1.28) x_1= 0.157, x_2= 0.627, x_3= 0.016, x_4= 0.200				**DES40.9 -** [Ch][Cl]:PEG200:$FeCl_3$:Eth (1:4:0.1:0.57) x_1= 0.176, x_2= 0.706, x_3= 0.018, x_4= 0.100			
298.00	36.40	0.10	[29]	298.00	36.98	0.10	[29]
DES41.1 - [Ch][Cl]:PEG200:$FeCl_3$:H_2O (1:4:0.1:45.92) x_1= 0.020, x_2= 0.078, x_3= 0.002, x_4= 0.900				**DES41.2 -** [Ch][Cl]:PEG200:$FeCl_3$:H_2O (1:4:0.1:20.41) x_1= 0.039, x_2= 0.157, x_3= 0.0004, x_4= 0.800			
298.00	49.84	0.10	[29]	298.00	46.96	0.10	[29]
DES41.3 - [Ch][Cl]:PEG200:$FeCl_3$:H_2O (1:4:0.1:11.9) x_1= 0.059, x_2= 0.235, x_3= 0.006, x_4= 0.700				**DES41.4 -** [Ch][Cl]:PEG200:$FeCl_3$:H_2O (1:4:0.1:7.65) x_1= 0.078, x_2= 0.314, x_3= 0.008, x_4= 0.600			
298.00	46.16	0.10	[29]	298.00	45.48	0.10	[29]
DES41.5 - [Ch][Cl]:PEG200:$FeCl_3$:H_2O (1:4:0.1:5.1) x_1= 0.098, x_2= 0.392, x_3= 0.010, x_4= 0.500				**DES41.6 -** [Ch][Cl]:PEG200:$FeCl_3$:H_2O (1:4:0.1:3.4) x_1= 0.118, x_2= 0.470, x_3= 0.012, x_4= 0.400			
298.00	44.43	0.10	[29]	298.00	43.64	0.10	[29]
DES41.7 - [Ch][Cl]:PEG200:$FeCl_3$:H_2O (1:4:0.1:2.19) x_1= 0.137, x_2= 0.549, x_3= 0.014, x_4= 0.300				**DES41.8 -** [Ch][Cl]:PEG200:$FeCl_3$:H_2O (1:4:0.1:1.28) x_1= 0.157, x_2= 0.627, x_3= 0.016, x_4= 0.200			
298.00	43.30	0.10	[29]	298.00	42.15	0.10	[29]
DES41.9 - [Ch][Cl]:PEG200:$FeCl_3$:H_2O (1:4:0.1:0.57) x_1= 0.176, x_2= 0.706, x_3= 0.018, x_4= 0.100				DES42.1 - [Ch][Cl]:PEG200:$FeCl_3$:IsoOH (1:4:0.1:45.92) x_1= 0.020, x_2= 0.078, x_3= 0.002, x_4= 0.900			
298.00	41.46	0.10	[29]	298.00	18.18	0.10	[29]
DES42.2 - [Ch][Cl]:PEG200:$FeCl_3$:IsoOH (1:4:0.1:45.92) x_1= 0.039, x_2= 0.157, x_3= 0.004, x_4= 0.800				**DES42.3 -** [Ch][Cl]:PEG200:$FeCl_3$:IsoOH (1:4:0.1:11.9) x_1= 0.059, x_2= 0.235, x_3= 0.006, x_4= 0.700			
298.00	20.13	0.10	[29]	298.00	22.41	0.10	[29]
DES42.4 - [Ch][Cl]:PEG200:$FeCl_3$:IsoOH (1:4:0.1:7.65) x_1= 0.078, x_2= 0.314, x_3= 0.008, x_4= 0.600				**DES42.5 -** [Ch][Cl]:PEG200:$FeCl_3$:IsoOH (1:4:0.1:5.1) x_1= 0.098, x_2= 0.392, x_3= 0.010, x_4= 0.500			
298.00	24.72	0.10	[29]	298.00	27.92	0.10	[29]
DES42.6 - [Ch][Cl]:PEG200:$FeCl_3$:IsoOH (1:4:0.1:3.4) x_1= 0.118, x_2= 0.470, x_3= 0.012, x_4= 0.400				**DES42.7 -** [Ch][Cl]:PEG200:$FeCl_3$:IsoOH (1:4:0.1:2.19) x_1= 0.137, x_2= 0.549, x_3= 0.014, x_4= 0.300			
298.00	31.49	0.10	[29]	298.00	34.69	0.10	[29]
DES42.8 - [Ch][Cl]:PEG200:$FeCl_3$:IsoOH (1:4:0.1:1.28) x_1= 0.157, x_2= 0.627, x_3= 0.016, x_4= 0.200				**DES42.9 -** [Ch][Cl]:PEG200:$FeCl_3$:IsoOH (1:4:0.1:0.57) x_1= 0.176, x_2= 0.706, x_3= 0.018, x_4= 0.100			
298.00	37.56	0.10	[29]	298.00	40.31	0.10	[29]
DES43 - [Ch][Cl]:PEG200:FeCl3 (1:4:0.1) x_1= 0.196, x_2= 0.784, x_3= 0.020				**DES44.1 -** [Ch][Cl]:PEG200:H_2O (1:4:45) x_1= 0.020, x_2= 0.080, x_3= 0.900			
298.00	34.46	0.10					
298.00	34.35	0.10					
298.00	34.23	0.10	[29]	298.00	47.32	0.10	[29]
298.00	34.23	0.10					
298.00	33.88	0.10					
DES44.2 - [Ch][Cl]:PEG200:H_2O (1:4:20) x_1= 0.040, x_2= 0.160, x_3= 0.800				**DES44.3 -** [Ch][Cl]:PEG200:H_2O (1:4:11.67) x_1= 0.060, x_2= 0.240, x_3= 0.700			
298.00	49.21	0.10	[29]	298.00	48.66	0.10	[29]
DES44.4 - [Ch][Cl]:PEG200:H_2O (1:4:7.5)				**DES44.5 -** [Ch][Cl]:PEG200:H_2O (1:4:5)			

x_1= 0.080, x_2= 0.320, x_3= 0.600				x_1= 0.100, x_2= 0.400, x_3= 0.500			
298.00	47.98	0.10	[29]	298.00	46.92	0.10	[29]
DES44.6 - [Ch][Cl]:PEG200:H_2O (1:4:3.33)				**DES44.7 -** [Ch][Cl]:PEG200:H_2O (1:4:2.14)			
x_1= 0.120, x_2= 0.480, x_3= 0.400				x_1= 0.140, x_2= 0.560, x_3= 0.300			
298.00	46.37	0.10	[29]	298.00	45.83	0.10	[29]
DES44.8 - [Ch][Cl]:PEG200:H_2O (1:4:1.25)				**DES44.9 -** [Ch][Cl]:PEG200:H_2O (1:4:0.56)			
x_1= 0.160, x_2= 0.640, x_3= 0.200				x_1= 0.180, x_2= 0.720, x_3= 0.100			
298.00	46.37	0.10	[29]	298.00	46.51	0.10	[29]
DES45.1 - [Ch][Cl]:PEG200:IsoOH (1:4:45)				**DES45.2 -** [Ch][Cl]:PEG200:IsoOH (1:4:20)			
x_1= 0.020, x_2= 0.080, x_3= 0.900				x_1= 0.040, x_2= 0.160, x_3= 0.800			
298.00	19.19	0.10	[29]	298.00	20.67	0.10	[29]
DES45.3 - [Ch][Cl]:PEG200:IsoOH (1:4:11.67)				**DES45.4 -** [Ch][Cl]:PEG200:IsoOH (1:4:7.5)			
x_1= 0.060, x_2= 0.240, x_3= 0.700				x_1= 0.080, x_2= 0.320, x_3= 0.600			
298.00	23.09	0.10	[29]	298.00	25.11	0.10	[29]
DES45.5 - [Ch][Cl]:PEG200:IsoOH (1:4:5)				**DES45.6 -** [Ch][Cl]:PEG200:IsoOH (1:4:3.33)			
x_1= 0.100 x_2= 0.400, x_3= 0.500				x_1= 0.120, x_2= 0.480, x_3= 0.400			
298.00	28.60	0.10	[29]	298.00	31.44	0.10	[29]
DES45.7 - [Ch][Cl]:PEG200:IsoOH (1:4:2.14)				**DES45.8 -** [Ch][Cl]:PEG200:IsoOH (1:4:1.25)			
x_1= 0.140, x_2= 0.560, x_3= 0.300				x_1= 0.160, x_2= 0.640, x_3= 0.200			
298.00	33.45	0.10	[29]	298.00	36.42	0.10	[29]
DES45.9 - [Ch][Cl]:PEG200:IsoOH (1:4:0.56)				**DES46.1 -** [Ch][Cl]:PEG200 (1:7)			
x_1= 0.180, x_2= 0.720, x_3= 0.100				x_1= 0.125, x_2= 0.875, x_3= 0.000			
298.00	40.05	0.10	[29]	298.00	51.54	0.01	[30]
				303.00	50.99	0.01	
				313.00	50.71	0.01	
				323.00	47.24	0.01	
				333.00	47.90	0.01	
				343.00	47.46	0.01	
				353.00	45.96	0.01	
DES46.2 - [Ch][Cl]:PEG200 (1:6)				**DES46.3 -** [Ch][Cl]:PEG200 (1:5)			
x_1= 0.143, x_2= 0.857, x_3= 0.000				x_1= 0.167, x_2= 0.833, x_3= 0.000			
298.00	52.26	0.01	[30]	298.00	48.39	0.01	[30]
303.00	51.05	0.01		303.00	46.02	0.01	
313.00	50.82	0.01		313.00	45.74	0.01	
323.00	50.99	0.01		323.00	42.04	0.01	
333.00	49.66	0.01		333.00	39.23	0.01	
343.00	48.61	0.01		343.00	36.96	0.01	
353.00	40.83	0.01		353.00	35.97	0.01	
DES46.4 - [Ch][Cl]:PEG200 (1:4)				**DES47 -** [Ch][Cl]:PEG400:$FeCl_3$ (1:4:0.1)			
x_1= 0.200, x_2= 0.800, x_3= 0.000				x_1= 0.196, x_2= 0.784, x_3= 0.020			
298.00	55.03	0.01	[30]				
303.00	52.43	0.01		298.00	35.59	0.10	[29]
313.00	48.50	0.01		308.00	32.96	0.10	
323.00	45.96	0.01		318.00	32.52	0.10	
333.00	46.40	0.01		328.00	31.41	0.10	
343.00	44.20	0.01		338.00	31.32	0.10	
353.00	43.75	0.01					
DES48 - [Ch][Cl]:PEG400 (1:4)				**DES49 -** [Ch][Cl]:PenOH (1:3.5)			
x_1= 0.800, x_2= 0.200, x_3= 0.000				x_1= 0.200, x_2= 0.800, x_3= 0.000			
298.00	45.62	0.10	[29]				
308.00	45.08	0.10					
318.00	44.39	0.10		298.15	47.50	0.17	[26]
328.00	43.66	0.10					
338.00	43.12	0.10					
DES50 - [Ch][Cl]:Ph (1:2)				**DES51 -** [Ch][Cl]:TFA (1:2)			
x_1= 0.333, x_2= 0.667, x_3= 0.000				x_1= 0.333, x_2= 0.667, x_3= 0.000			
298.15	35.46	1.00	[21]	313.15	35.90	-	[1]
DES52.1 - [Ch][Cl]:U:H_2O (1:2.32:14.25)				**DES52.2 -** [Ch][Cl]:U:H_2O (1:2.32:5.15)			
x_1= 0.057, x_2= 0.132, x_3= 0.811				x_1= 0.118, x_2= 0.274, x_3= 0.608			
307.90	59.58	0.03	[31]	307.90	64.31	0.03	[31]
318.20	57.79	0.03		318.20	61.89	0.03	
327.50	55.63	0.03		327.50	59.04	0.03	
337.70	52.84	0.03		337.70	57.14	0.03	
DES52.3 - [Ch][Cl]:U:H2O (1:2.32:1.74)				**DES52.4 -** [Ch][Cl]:U:H2O (1:2.32:0.08)			
x_1= 0.197, x_2= 0.459, x_3= 0.343				x_1= 0.294, x_2= 0.683, x_3= 0.024			
307.90	69.41	0.03	[31]	307.90	74.43	0.03	[31]
318.20	66.23	0.03		318.20	70.42	0.03	
327.50	63.24	0.03		327.50	66.89	0.03	
337.70	60.19	0.03		337.70	63.99	0.03	

DES53 - [Ch][Cl]:U (1:2) x_1= 0.333, x_2= 0.667, x_3= 0.000				**DES54 -** [Ch][Cl]:Xyl:H_2O (2.02:1:2.95) x_1= 0.338, x_2= 0.168, x_3= 0.494			
293.15	57.20	0.20		278.15	80.68	0.01	
303.15	54.90	0.20		280.65	80.07	0.01	
313.15	52.70	0.20		283.15	79.64	0.01	
323.15	50.40	0.20		285.65	79.41	0.01	
333.15	48.10	0.20	32	288.15	78.82	0.01	
343.15	45.90	0.20		290.65	78.48	0.01	
353.15	43.60	0.20		293.15	78.01	0.01	
425.00	38.70	0.50		295.65	77.82	0.01	
				298.15	77.41	0.01	
				300.65	77.02	0.01	
				303.15	76.64	0.01	
				305.65	76.23	0.01	
				308.15	75.85	0.01	10
				310.65	75.30	0.01	
				313.15	75.00	0.01	
				315.65	74.57	0.01	
				318.15	74.19	0.01	
				320.65	73.62	0.01	
				323.15	73.12	0.01	
				325.65	72.78	0.01	
				328.15	72.41	0.01	
				330.65	72.16	0.01	
				333.15	71.56	0.01	
				335.65	70.90	0.01	
				338.15	70.36	0.01	
DES55 - [DEEA][Cl]:DEG (1:3) x_1= 0.250, x_2= 0.750, x_3= 0.000				**DES56 -** [EA][Br]:Gly (1:2) x_1= 0.333, x_2= 0.667, x_3= 0.000			
293.00	64.95	0.10					
303.00	61.97	0.10					
313.00	60.52	0.10					
323.00	56.00	0.10	5	298.15	57.60	-	4
333.00	45.21	0.10					
343.00	37.63	0.10					
353.00	33.67	0.10					
DES57 - [EA][Cl]:Ace (1:1.5) x_1= 0.400, x_2= 0.600, x_3= 0.000				**DES58 -** [EA][Cl]:TFA (1:1.5) x_1= 0.400, x_2= 0.600, x_3= 0.000			
313.15	46.30	-	1	313.15	30.10	-	1
DES59 - [EA][Cl]:U (1:1.5) x_1= 0.400, x_2= 0.600x_3= 0.000				**DES60.1 -** [MPPyr][$N(SO_2CF_3)_2$]:EG (1:6) x_1= 0.143, x_2= 0.857, x_3= 0.000			
313.15	52.90	-	1	298.15	38.40	0.01	14
DES60.2 - [MPPyr][$N(SO_2CF_3)_2$]:EG (1:4) x_1= 0.200, x_2= 0.800, x_3= 0.000				**DES60.3 -** [MPPyr][$N(SO_2CF_3)_2$]:EG (1:2) x_1= 0.333, x_2= 0.667, x_3= 0.000			
298.15	38.40	0.01	14	298.15	38.00	0.01	14
DES61 - [MTP][Br]:DEG (1:4) x_1= 0.200, x_2= 0.800, x_3= 0.000				**DES62.1 -** [MTP][Br]:EG (1:4) x_1= 0.200, x_2= 0.800, x_3= 0.000			
293.00	62.74	0.10		303.15	50.74	0.20	
303.00	61.29	0.10		308.15	50.15	0.20	
313.00	58.11	0.10		313.15	49.60	0.20	
323.00	51.67	0.10	5	318.15	49.18	0.20	33
333.00	46.08	0.10		323.15	48.66	0.20	
343.00	34.73	0.10		328.15	48.10	0.20	
353.00	29.92	0.10		298.15	51.29	0.20	
DES62.2 - [MTP][Br]:EG (1:2) x_1= 0.333, x_2= 0.667, x_3= 0.000				**DES63 -** [MTP][Br]:Gly (1:3) x_1= 0.250, x_2= 0.750, x_3= 0.000			
298.15	47.51	0.10		298.15	59.35	0.10	
303.15	47.06	0.10		303.15	58.81	0.10	
308.15	46.57	0.10		308.15	58.20	0.10	
313.15	46.12	0.10	18	313.15	57.68	0.10	18
318.15	45.59	0.10		318.15	57.06	0.10	
323.15	45.12	0.10		323.15	56.45	0.10	
328.15	44.64	0.10		328.15	55.95	0.10	
DES64.1 - [MTP][Br]:MDEA (1:16) x_1= 0.059, x_2= 0.941, x_3= 0.000				**DES64.2 -** [MTP][Br]:MDEA (1:10) x_1= 0.091x_2= 0.909, x_3= 0.000			
298.15	41.99	0.03		298.15	42.80	0.03	
303.15	41.74	0.03		303.15	42.50	0.03	
313.15	41.20	0.03	3	313.15	42.00	0.03	3
323.15	40.71	0.03		323.15	41.53	0.03	
333.15	40.15	0.03		333.15	41.06	0.03	

343.15	39.71	0.03		343.15	40.58	0.03	
353.15	39.19	0.03		353.15	40.10	0.03	
DES64.3 - [MTP][Br]:MDEA (1:7)				**DES65.1 -** [MTP][Br]:MEA (1:8)			
x_1= 0.125, x_2= 0.875, x_3= 0.000				x_1= 0.110, x_2= 0.890, x_3= 0.000			
298.15	43.06	0.03		298.15	50.30	0.10	
303.15	42.87	0.03		308.15	49.50	0.10	
313.15	42.48	0.03		318.15	48.60	0.10	
323.15	42.07	0.03	3	328.15	47.80	0.10	24
333.15	41.64	0.03		338.15	46.90	0.10	
343.15	41.31	0.03		348.15	46.20	0.10	
353.15	40.87	0.03		358.15	45.30	0.10	
DES65.2 - [MTP][Br]:MEA (1:7)				**DES65.3 -** [MTP][Br]:MEA (1:6)			
x_1= 0.130, x_2= 0.870, x_3= 0.000				x_1= 0.140, x_2= 0.860, x_3= 0.000			
298.15	50.20	0.10		298.15	49.30	0.10	
308.15	49.30	0.10		308.15	48.40	0.10	
318.15	48.20	0.10		318.15	47.60	0.10	
328.15	47.20	0.10	24	328.15	46.70	0.10	24
338.15	46.30	0.10		338.15	45.90	0.10	
348.15	45.30	0.10		348.15	44.90	0.10	
358.15	44.40	0.10		358.15	44.20	0.10	
DES65.4 - [MTP][Br]:MEA (1:5)				**DES66 -** [MTP][Br]:TEG (1:5.25)			
x_1= 0.160, x_2= 0.840, x_3= 0.000				x_1= 0.160, x_2= 0.840, x_3= 0.000			
298.15	48.90	0.10		303.15	49.27	0.20	
308.15	48.00	0.10		308.15	48.85	0.20	
318.15	47.20	0.10		313.15	48.40	0.20	
328.15	46.40	0.10	24	318.15	48.01	0.20	33
338.15	45.60	0.10		323.15	47.49	0.20	
348.15	44.80	0.10		328.15	47.03	0.20	
358.15	44.00	0.10		298.15	49.85	0.20	
DES67.1 - [N-DEEA][Cl]:EG (1:3)				**DES67.2 -** [N-DEEA][Cl]:EG (1:2)			
x_1= 0.250, x_2= 0.750, x_3= 0.000				x_1= 0.333, x_2= 0.667, x_3= 0.000			
303.15	47.15	0.20		298.15	51.29	0.10	
308.15	46.53	0.20		303.15	50.74	0.10	
313.15	46.04	0.20		308.15	50.17	0.10	
318.15	45.55	0.20	18	313.15	49.63	0.10	18
323.15	44.99	0.20		318.15	49.14	0.10	
328.15	44.57	0.20		323.15	48.67	0.10	
298.15	47.51	0.20		328.15	48.12	0.10	
DES68.1 - [N-DEEA][Cl]:Gly (1:4)				**DES68.2 -** [N-DEEA][Cl]:Gly (1:2)			
x_1= 0.200, x_2= 0.800, x_3= 0.000				x_1= 0.333, x_2= 0.667, x_3= 0.000			
303.15	58.75	0.20		298.15	58.94	0.10	
308.15	58.13	0.20		303.15	58.33	0.10	
313.15	57.58	0.20		308.15	57.63	0.10	
318.15	56.96	0.20	18	313.15	56.99	0.10	18
323.15	56.35	0.20		318.15	56.39	0.10	
328.15	55.92	0.20		323.15	55.73	0.10	
298.15	59.35	0.20		328.15	55.16	0.10	
DES69 - [N-DEEA][Cl]:TFA (1:2)				**DES70 -** [PA][Br]:Gly (1:2)			
x_1= 0.333, x_2= 0.667, x_3= 0.000				x_1= 0.333, x_2= 0.667, x_3= 0.000			
303.15	39.78	0.20					
308.15	39.28	0.20					
313.15	38.79	0.20					
318.15	38.36	0.20	33	298.15	51.70	-	4
323.15	37.88	0.20					
328.15	37.51	0.20					
298.15	40.27	0.20					
DES71 - [TBA][Br]:AA (1:1)				**DES72 - [TBA][Br]:DEG (1:2)**			
x_1= 0.500, x_2= 0.500, x_3= 0.000				x_1= 0.333, x_2= 0.667, x_3= 0.000			
				293.00	53.50	0.10	
				303.00	51.77	0.10	
				313.00	49.64	0.10	
298.15	34.50	0.03	34	323.00	41.94	0.10	5
				333.00	36.56	0.10	
				343.00	35.50	0.10	
				353.00	32.23	0.10	
DES73 - [TBA][Br]:EG (1:2)				**DES74 -** [TBA][Br]:FA (1:1)			
x_1= 0.333, x_2= 0.667, x_3= 0.000				x_1= 0.500, x_2= 0.500, x_3= 0.000			
298.15	53.31	0.10	6	298.15	37.20	0.03	34
DES75 - [TBA][Br]:MalA (1:1)				**DES76.1 - [TBA][Br]:MEA (1:6)**			
x_1= 0.500, x_2= 0.500, x_3= 0.000				x_1= 0.140, x_2= 0.860, x_3= 0.000			
298.15	38.20	0.03	34	298.15	36.10	0.10	24

				308.15	35.70	0.10	
				318.15	35.40	0.10	
				328.15	35.10	0.10	
				338.15	34.70	0.10	
				348.15	34.40	0.10	
				358.15	34.10	0.10	
DES76.2 - [TBA][Br]:MEA (1:5) x_1= 0.160, x_2= 0.840, x_3= 0.000				**DES76.3 -** [TBA][Br]:MEA (1:4) x_1= 0.200, x_2= 0.800, x_3= 0.000			
298.15	36.00	0.10		298.15	35.80	0.10	
308.15	35.60	0.10		308.15	35.40	0.10	
318.15	35.20	0.10		318.15	35.00	0.10	
328.15	34.90	0.10	[24]	328.15	34.60	0.10	[24]
338.15	34.60	0.10		338.15	34.30	0.10	
348.15	34.20	0.10		348.15	33.90	0.10	
358.15	33.90	0.10		358.15	33.50	0.10	
DES76.4 - [TBA][Br]:MEA (1:3) x_1= 0.250, x_2= 0.750, x_3= 0.000				**DES77 -** [TBA][Br]:OA (1:1) x_1= 0.500, x_2= 0.500, x_3= 0.000			
298.15	35.70	0.10					
308.15	35.30	0.10					
318.15	34.80	0.10					
328.15	34.50	0.10	[24]	298.15	42.70	0.03	[34]
338.15	34.00	0.10					
348.15	33.60	0.10					
358.15	33.20	0.10					
DES78 - [TBA][Br]:PA (1:1) x_1= 0.500, x_2= 0.500, x_3= 0.000				**DES79.1 -** [TBA][Cl]:Arg (6:1) x_1= 0.857, x_2= 0.143, x_3= 0.000			
				313.15	40.40	0.10	
				323.15	39.60	0.10	
298.15	32.40	0.03	[34]	333.15	39.10	0.10	[35]
				343.15	38.10	0.10	
				353.15	37.40	0.10	
DES79.2 - [TBA][Cl]:Arg (7:1) x_1= 0.857, x_2= 0.125, x_3= 0.000				**DES79.3 -** [TBA][Cl]:Arg (8:1) x_1= 0.889, x_2= 0.111, x_3= 0.000			
313.15	38.20	0.10		313.15	39.70	0.10	
323.15	37.90	0.10		323.15	39.00	0.10	
333.15	37.20	0.10	[35]	333.15	38.10	0.10	[35]
343.15	36.50	0.10		343.15	37.10	0.10	
353.15	35.80	0.10		353.15	36.40	0.10	
DES80.1 - [TBA][Cl]:AspA (9:1) x_1= 0.900, x_2= 0.100, x_3= 0.000				**DES80.2 -** [TBA][Cl]:AspA (10:1) x_1= 0.909, x_2= 0.091, x_3= 0.000			
313.15	38.50	0.10		313.15	40.90	0.10	
323.15	37.50	0.10		323.15	39.50	0.10	
333.15	36.60	0.10	[35]	333.15	37.90	0.10	[35]
343.15	35.10	0.10		343.15	36.10	0.10	
353.15	33.90	0.10		353.15	34.40	0.10	
DES80.3 - [TBA][Cl]:AspA (11:1) x_1= 0.917, x_2= 0.083, x_3= 0.000				**DES81.1 -** [TBA][Cl]:GluA (8:1) x_1= 0.889, x_2= 0.111, x_3= 0.000			
313.15	43.40	0.10		313.15	39.10	0.10	
323.15	41.10	0.10		323.15	38.90	0.10	
333.15	38.60	0.10	[35]	333.15	38.10	0.10	[35]
343.15	37.10	0.10		343.15	37.20	0.10	
353.15	5.20	0.10		353.15	36.10	0.10	
DES81.2 - [TBA][Cl]:GluA (9:1) x_1= 0.900, x_2= 0.100, x_3= 0.000				**DES81.3 -** [TBA][Cl]:GluA (10:1) x_1= 0.909, x_2= 0.091, x_3= 0.000			
313.15	33.60	0.10		313.15	37.60	0.10	
323.15	33.10	0.10		323.15	36.50	0.10	
333.15	32.40	0.10	[35]	333.15	35.20	0.10	[35]
343.15	31.50	0.10		343.15	33.20	0.10	
353.15	31.20	0.10		353.15	32.10	0.10	
DES82 - [TBA][Cl]:Met (9:1) x_1= 0.900, x_2= 0.100, x_3= 0.000				**DES83 -** [TBA][HSO_4]:BA (1:1) x_1= 0.500, x_2= 0.500, x_3= 0.000			
				333.15	42.60	0.20	
				338.15	41.68	0.20	
313.15	41.80	0.10	[35]	343.15	40.79	0.20	[8]
				348.15	39.87	0.20	
				353.15	38.98	0.20	
DES84 - [TBA][HSO_4]:DGA (1:1) x_1= 0.500, x_2= 0.500, x_3= 0.000				**DES85 -** [TBA][HSO_4]:Nin (1:0.75) x_1= 0.571, x_2= 0.429, x_3= 0.000			
303.15	43.89	0.10		308.15	43.23	0.20	
313.15	43.64	0.10	[12]	313.15	42.30	0.20	[25]
323.15	43.39	0.10		318.15	41.20	0.20	

333.15	43.14	0.10		323.15	40.20	0.20	
343.15	42.82	0.10		328.15	39.21	0.20	
				333.15	38.18	0.20	
DES86 - [TEA][Br]:BA (1:1) x_1= 0.500, x_2= 0.500, x_3= 0.000				**DES87.1 -** [TPA][Br]:EG (1:5) x_1= 0.167, x_2= 0.833, x_3= 0.000			
333.15	52.59	0.20					
338.15	51.51	0.20					
343.15	50.43	0.20		303.15	46.99	-	
348.15	49.34	0.20		313.15	45.79	-	
353.15	48.22	0.20	8	323.15	45.09	-	36
333.15	46.60	0.20		333.15	44.30	-	
338.15	45.51	0.20		343.15	43.40	-	
343.15	44.42	0.20		353.15	42.51	-	
348.15	43.34	0.20					
353.15	42.11	0.20					
DES87.2 - [TPA][Br]:EG (1:4) x_1= 0.200, x_2=0.800,x_3= 0.000				**DES87.3 -** [TPA][Br]:EG (1:3) x_1= 0.250, x_2= 0.750, x_3= 0.000			
303.15	46.80	-		303.15	46.27	-	
313.15	45.47	-		313.15	45.20	-	
323.15	44.80	-	36	323.15	44.39	-	36
333.15	44.01	-		333.15	43.59	-	
343.15	43.20	-		343.15	42.90	-	
353.15	42.21	-		353.15	41.91	-	
DES88.1 - [TPA][Br]:Gly (1:4) x_1= 0.200, x_2= 0.800, x_3= 0.000				**DES88.2 -** [TPA][Br]:Gly (1:3) x_1= 0.250, x_2= 0.750, x_3= 0.000			
303.15	53.15	-		303.15	52.77	-	
313.15	52.77	-		313.15	51.89	-	
323.15	51.69	-	36	323.15	50.69	-	36
333.15	50.66	-		333.15	49.94	-	
343.15	49.76	-		343.15	48.96	-	
353.15	48.87	-		353.15	48.50	-	
DES88.3 - [TPA][Br]:Gly (1:2) x_1= 0.333, x_2= 0.667, x_3= 0.000				**DES89.1 -** [TPA][Br]:TEG (1:4) x_1= 0.200, x_2= 0.800, x_3= 0.000			
303.15	50.87	-		303.15	45.96	-	
313.15	50.25	-		313.15	44.66	-	
323.15	48.67	-	36	323.15	43.96	-	36
333.15	47.89	-		333.15	43.58	-	
343.15	46.65	-		343.15	43.18	-	
353.15	45.77	-		353.15	42.28	-	
DES89.2 - [TPA][Br]:TEG (1:3) x_1= 0.250, x_2= 0.750, x_3= 0.000				**DES89.3 -** [TPA][Br]:TEG (1:2.5) x_1= 0.286, x_2= 0.714, x_3= 0.000			
				303.15	46.55	-	
323.15	44.28	-		313.15	45.59	-	
333.15	43.59	-	36	323.15	44.64	-	36
343.15	42.87	-		333.15	43.86	-	
353.15	42.19	-		343.15	42.78	-	
				353.15	42.07	-	
DES90 - Bet:LacA (1:2) x_1= 0.333, x_2= 0.667, x_3= 0.000				**DES91 -** Glu:CA:H_2O (1:1:6.5) x_1= 0.118, x_2= 0.118, x_3= 0.765			
				288.15	71.30	0.01	
				290.65	70.70	0.01	
				293.15	70.40	0.01	
				295.65	69.90	0.01	
				298.15	69.30	0.01	
				300.65	69.00	0.01	
				303.15	68.40	0.01	
				305.65	68.00	0.01	
293.15	46.30	0.10		308.15	67.50	0.01	
303.15	46.00	0.10		310.65	67.10	0.01	
313.15	45.40	0.10	37	313.15	66.80	0.01	16
323.15	44.50	0.10		315.65	66.40	0.01	
333.15	42.90	0.10		318.15	65.90	0.01	
				320.65	65.50	0.01	
				323.15	65.10	0.01	
				325.65	64.60	0.01	
				328.15	64.00	0.01	
				330.65	63.60	0.01	
				333.15	63.20	0.01	
				335.65	62.80	0.01	
				338.15	62.30	0.01	
DES92.1 - Mat:Pae (3:7) x_1= 0.300, x_2= 0.700, x_3= 0.000				**DES92.2 -** Mat:Pae (4:6) x_1= 0.400, x_2= 0.600, x_3= 0.000			

303.15	42.14	0.10		303.15	43.15	0.10	
308.15	41.62	0.10		308.15	42.65	0.10	
313.15	40.89	0.10		313.15	42.08	0.10	
318.15	40.37	0.10		318.15	41.49	0.10	
323.15	39.92	0.10	38	323.15	40.89	0.10	38
328.15	39.44	0.10		328.15	40.34	0.10	
333.15	38.81	0.10		333.15	39.85	0.10	
338.15	38.38	0.10		338.15	39.30	0.10	
343.15	37.88	0.10		343.15	38.80	0.10	
DES92.3 - Mat:Pae (5:5)				**DES93 -** Men:bor (7:3)			
x_1= 0.500, x_2= 0.500, x_3= 0.000				x_1= 0.875, x_2= 0.125, x_3= 0.000			
303.15	43.36	0.10					
308.15	42.96	0.10					
313.15	42.40	0.10					
318.15	41.92	0.10		298.15	29.04	0.03	
323.15	41.53	0.10	38	298.15	28.90	0.51	39
328.15	41.01	0.10		298.15	28.10	0.31	
333.15	40.63	0.10		298.15	27.50	0.61	
338.15	40.21	0.10					
343.15	39.79	0.10					
DES94 - Men:Cam (3:2)				**DES95 -** Men:CapA (1:1)			
x_1= 0.600, x_2= 0.400, x_3= 0.000				x_1= 0.500, x_2= 0.500, x_3= 0.000			
298.15	29.41	0.08	39	298.15	28.04	-	40
DES96.1 - Men:OcA (3:1)				**DES96.2 -** Men:OcA (2:1)			
x_1= 0.750, x_2= 0.250, x_3= 0.000				x_1= 0.667, x_2= 0.333, x_3= 0.000			
298.20	23.77	1.50		298.24	20.94	1.50	
303.88	23.00	1.50		303.77	20.53	1.50	
308.78	22.27	1.50		308.75	20.24	1.50	
314.39	21.81	1.50	41	314.26	19.94	1.50	41
318.90	21.15	1.50		318.81	19.70	1.50	
323.61	20.72	1.50		323.52	19.52	1.50	
328.11	20.22	1.50		328.48	19.19	1.50	
332.70	19.65	1.50		333.27	18.98	1.50	
DES96.3 - Men:OcA (1:1)				**DES96.4 -** Men:OcA (1:2)			
x_1= 0.500, x_2= 0.500, x_3= 0.000				x_1= 0.333, x_2= 0.667, x_3= 0.000			
298.11	26.67	1.50		298.00	25.72	1.50	
303.04	25.67	1.50		303.69	24.84	1.50	
307.73	24.67	1.50		308.53	24.25	1.50	
313.35	23.58	1.50	41	313.17	23.90	1.50	41
318.12	22.74	1.50		318.42	23.36	1.50	
322.97	21.75	1.50		322.96	22.93	1.50	
328.35	20.44	1.50		328.41	22.47	1.50	
332.97	19.47	1.50		332.78	21.79	1.50	
DES96.5 - Men:OcA (1:3)				**DES97.1 -** PDA:1,4-ButOH (1:0.04)			
x_1= 0.250, x_2= 0.750, x_3= 0.000				x_1= 0.959, x_2= 0.042, x_3= 0.000			
298.16	23.32	1.50					
303.85	22.25	1.50		293.15	41.82	0.01	
308.73	21.65	1.50		298.15	41.53	0.01	
314.11	21.16	1.50	41	303.15	40.74	0.01	42
318.88	20.56	1.50		308.15	40.22	0.01	
323.58	20.10	1.50		313.15	39.58	0.01	
328.93	19.73	1.50		318.15	38.98	0.01	
333.38	19.41	1.50					
DES97.2 - PDA:1,4-ButOH (1:0.09)				**DES97.3 -** PDA:1,4-ButOH (1:0.15)			
x_1= 0.916, x_2= 0.084, x_3= 0.000				x_1= 0.873, x_2= 0.127, x_3= 0.000			
293.15	42.26	0.01		293.15	42.85	0.01	
298.15	41.76	0.01		298.15	42.31	0.01	
303.15	41.00	0.01	42	303.15	41.48	0.01	42
308.15	40.55	0.01		308.15	41.07	0.01	
313.15	40.06	0.01		313.15	40.57	0.01	
318.15	39.70	0.01		318.15	40.06	0.01	
DES97.4 - PDA:1,4-ButOH (1:0.21)				**DES97.5 -** PDA:1,4-ButOH (1:0.27)			
x_1= 0.830, x_2= 0.171, x_3= 0.000				x_1= 0.785, x_2= 0.215, x_3= 0.000			
293.15	43.13	0.01		293.15	43.57	0.01	
298.15	42.76	0.01		298.15	43.33	0.01	
303.15	41.94	0.01	42	303.15	42.51	0.01	42
308.15	41.51	0.01		308.15	42.12	0.01	
313.15	41.13	0.01		313.15	41.77	0.01	
318.15	40.65	0.01		318.15	41.29	0.01	
DES97.6 - PDA:1,4-ButOH (1:0.35)				**DES97.7 -** PDA:1,4-ButOH (1:0.44)			
x_1= 0.739, x_2= 0.261, x_3= 0.000				x_1= 0.693, x_2= 0.307, x_3= 0.000			
293.15	44.12	0.01	42	293.15	44.60	0.01	42

298.15	43.95	0.01		298.15	44.23	0.01	
303.15	42.99	0.01		303.15	43.45	0.01	
308.15	42.66	0.01		308.15	43.13	0.01	
313.15	42.14	0.01		313.15	42.70	0.01	
318.15	41.79	0.01		318.15	42.38	0.01	
DES97.8 - PDA:1,4-ButOH (1:0.55) x_1= 0.646, x_2= 0.354, x_3= 0.000				**DES97.9 -** PDA:1,4-ButOH (1:0.67) x_1= 0.598, x_2= 0.402, x_3= 0.000			
293.15	45.26	0.01	42	293.15	45.67	0.01	42
298.15	44.78	0.01		298.15	45.28	0.01	
303.15	44.02	0.01		303.15	44.45	0.01	
308.15	43.56	0.01		308.15	44.20	0.01	
313.15	43.20	0.01		313.15	43.69	0.01	
318.15	42.90	0.01		318.15	43.35	0.01	
DES97.10 - PDA:1,4-ButOH (1:0.82) x_1= 0.549, x_2= 0.451, x_3= 0.000				**DES97.11 -** PDA:1,4-ButOH (1:1) x_1= 0.499, x_2= 0.501, x_3= 0.000			
293.15	46.02	0.01	42	293.15	46.13	0.01	42
298.15	45.62	0.01		298.15	45.96	0.01	
303.15	44.83	0.01		303.15	45.04	0.01	
308.15	44.46	0.01		308.15	44.74	0.01	
313.15	44.07	0.01		313.15	44.37	0.01	
318.15	43.78	0.01		318.15	44.21	0.01	
DES97.12 - PDA:1,4-ButOH (1:1.23) x_1= 0.448, x_2= 0.552, x_3= 0.000				**DES97.13 -** PDA:1,4-ButOH (1:1.53) x_1= 0.396, x_2= 0.604, x_3= 0.000			
293.15	46.47	0.01	42	293.15	46.75	0.01	42
298.15	46.09	0.01		298.15	46.21	0.01	
303.15	45.23	0.01		303.15	45.37	0.01	
308.15	45.23	0.01		308.15	45.39	0.01	
313.15	44.63	0.01		313.15	44.81	0.01	
318.15	44.42	0.01		318.15	44.58	0.01	
DES97.14 - PDA:1,4-ButOH (1:1.92) x_1= 0.343, x_2= 0.657, x_3= 0.000				**ES97.15 -** PDA:1,4-ButOH (1:2.47) x_1= 0.288, x_2= 0.712, x_3= 0.000			
293.15	46.79	0.01	42	293.15	46.69	0.01	42
298.15	46.26	0.01		298.15	46.14	0.01	
303.15	45.50	0.01		303.15	45.45	0.01	
308.15	45.42	0.01		308.15	45.32	0.01	
313.15	44.87	0.01		313.15	44.86	0.01	
318.15	44.73	0.01		318.15	44.63	0.01	
DES97.16 - PDA:1,4-ButOH (1:3.29) x_1= 0.233, x_2= 0.767, x_3= 0.000				**DES97.17 -** PDA:1,4-ButOH (1:4.65) x_1= 0.177, x_2= 0.823, x_3= 0.000			
293.15	46.48	0.01	42	293.15	46.15	0.01	42
298.15	45.73	0.01		298.15	45.51	0.01	
303.15	45.17	0.01		303.15	45.12	0.01	
308.15	45.10	0.01		308.15	44.90	0.01	
313.15	44.71	0.01		313.15	44.56	0.01	
318.15	44.52	0.01		318.15	44.40	0.01	
DES97.18 - PDA:1,4-ButOH (1:7.40) x_1= 0.119, x_2= 0.881, x_3= 0.000				**DES97.19 -** PDA:1,4-ButOH (1:15.67) x_1= 0.060, x_2= 0.940, x_3= 0.000			
293.15	45.86	0.01	42	293.15	45.56	0.01	42
298.15	45.35	0.01		298.15	44.97	0.01	
303.15	44.77	0.01		303.15	44.45	0.01	
308.15	44.71	0.01		308.15	44.30	0.01	
313.15	44.39	0.01		313.15	44.10	0.01	
318.15	44.27	0.01		318.15	43.85	0.01	
DES98.1 - PEG200:LacA:Act (1:0.25:0.14) x_1= 0.720, x_2= 0.180, x_3= 0.100				**DES98.2 -** PEG200:LacA:Act (1:0.25:0.31) x_1= 0.640, x_2= 0.160, x_3= 0.200			
298.00	43.41	0.10	29	298.00	43.03	0.10	29
DES98.3 - PEG200:LacA:Act (1:0.25:0.54) x_1= 0.560, x_2= 0.140, x_3= 0.300				**DES98.4 -** PEG200:LacA:Act (1:0.25:0.83) x_1= 0.480, x_2= 0.120, x_3= 0.400			
298.00	43.41	0.10	29	298.00	42.90	0.10	29
DES98.5 - PEG200:LacA:Act (1:0.25:0.1.25) x_1= 0.400, x_2= 0.100, x_3= 0.500				**DES98.6 -** PEG200:LacA:Act (1:0.25:1.88) x_1= 0.320, x_2= 0.080, x_3= 0.600			
298.00	42.36	0.10	29	298.00	40.26	0.10	29
DES98.7 - PEG200:LacA:Act (1:0.25:2.92) x_1= 0.240, x_2= 0.060, x_3= 0.700				**DES98.8 -** PEG200:LacA:Act (1:0.25:5) x_1= 0.160, x_2= 0.040, x_3= 0.800			
298.00	33.19	0.10	29	298.00	29.50	0.10	29
DES98.9 - PEG200:LacA:Act (1:0.25:11.25) x_1= 0.080, x_2= 0.020, x_3= 0.900				**DES99.1 -** PEG200:LacA:EtAc (1:0.25:0.14) x_1= 0.720, x_2= 0.180, x_3= 0.100			
298.00	23.73	0.10	29	298.00	39.88	0.10	29
DES99.2 - PEG200:LacA:EtAc (1:0.25:0.31) x_1= 0.640, x_2= 0.160, x_3= 0.200				**DES99.3 -** PEG200:LacA:EtAc (1:0.25:0.54) x_1= 0.560, x_2= 0.140, x_3= 0.300			
298.00	35.54	0.10	29	298.00	33.84	0.10	29

DES99.4 - PEG200:LacA:EtAc (1:0.25:0.83) x_1= 0.480, x_2= 0.120, x_3= 0.400				**DES99.5 -** PEG200:LacA:EtAc (1:0.25:0.1.25) x_1= 0.400, x_2= 0.100, x_3= 0.500			
298.00	30.55	0.10	[29]	298.00	28.21	0.10	[29]
DES99.6 - PEG200:LacA:EtAc (1:0.25:1.88) x_1= 0.320, x_2= 0.080, x_3= 0.600				**DES99.7 -** PEG200:LacA:EtAc (1:0.25:2.92) x_1= 0.240, x_2= 0.060, x_3= 0.700			
298.00	25.05	0.10	[29]	298.00	22.95	0.10	[29]
DES99.8 - PEG200:LacA:EtAc (1:0.25:5) x_1= 0.160, x_2= 0.040, x_3= 0.800				**DES99.9 -** PEG200:LacA:EtAc (1:0.25:11.25) x_1= 0.080, x_2= 0.020, x_3= 0.900			
298.00	21.39	0.10	[29]	298.00	19.93	0.10	[29]
DES100.1 - PEG200:LacA:Eth (1:0.25:0.14) x_1= 0.720, x_2= 0.180x_3= 0.100				**DES100.2 -** PEG200:LacA:Eth (1:0.25:0.31) x_1= 0.640, x_2= 0.160, x_3= 0.200			
298.00	42.11	0.10	[29]	298.00	40.01	0.10	[29]
DES100.3 - PEG200:LacA:Eth (1:0.25:0.54) x_1= 0.560, x_2= 0.140, x_3= 0.300				**DES100.4 -** PEG200:LacA:Eth (1:0.25:0.83) x_1= 0.480, x_2= 0.120, x_3= 0.400			
298.00	37.37	0.10	[29]	298.00	36.08	0.10	[29]
DES100.5 - PEG200:LacA:Eth (1:0.25:0.1.25) x_1= 0.400, x_2= 0.100,x_3= 0.500				**DES100.6 -** PEG200:LacA:Eth (1:0.25:1.88) x_1= 0.320, x_2= 0.080,x_3= 0.600			
298.00	33.44	0.10	[29]	298.00	30.44	0.10	[29]
DES100.7 - PEG200:LacA:Eth (1:0.25:2.92) x_1= 0.240, x_2= 0.060,x_3= 0.700				**DES100.8 -** PEG200:LacA:Eth (1:0.25:5) x_1= 0.160, x_2= 0.040, x_3= 0.800			
298.00	26.62	0.10	[29]	298.00	23.87	0.10	[29]
DES100.9 - PEG200:LacA:Eth (1:0.25:11.25) x_1= 0.080, x_2= 0.020, x_3= 0.900				**DES101.1 -** PEG200:LacA:H_2O (1:0.25:0.14) x_1= 0.720, x_2= 0.180, x_3= 0.100			
298.00	20.98	0.10	[29]	298.00	44.46	0.10	[29]
DES101.2 - PEG200:LacA:H_2O (1:0.25:0.31) x_1= 0.640, x_2= 0.160, x_3= 0.200				**DES101.3 -** PEG200:LacA:H_2O (1:0.25:0.54) x_1= 0.560, x_2= 0.140, x_3= 0.300			
298.00	45.51	0.10	[29]	298.00	45.65	0.10	[29]
DES101.4 - PEG200:LacA:H_2O (1:0.25:0.83) x_1= 0.480,x_2= 0.120, x_3= 0.400				**DES101.5 -** PEG200:LacA:H_2O (1:0.25:0.1.25) x_1= 0.400, x_2= 0.100, x_3= 0.500			
298.00	45.91	0.10	[29]	298.00	46.56	0.10	[29]
DES101.6 - PEG200:LacA:H_2O (1:0.25:1.88) x_1= 0.320, x_2= 0.080,x_3= 0.600				**DES101.7 -** PEG200:LacA:H_2O (1:0.25:2.92) x_1= 0.240, x_2= 0.060, x_3= 0.700			
298.00	46.96	0.10	[29]	298.00	48.13	0.10	[29]
DES101.8 - PEG200:LacA:H_2O (1:0.25:5) x_1= 0.160, x_2= 0.040, x_3= 0.800				**DES101.9 -** PEG200:LacA:H_2O (1:0.25:11.25) x_1= 0.080, x_2= 0.020, x_3= 0.900			
298.00	48.40	0.10	[29]	298.00	48.26	0.10	[29]
DES102.1 - PEG200:LacA:IsoOH (1:0.25:0.14) x_1= 0.720, x_2= 0.180, x_3= 0.100				**DES102.2 -** PEG200:LacA:IsoOH (1:0.25:0.31) x_1= 0.640, x_2= 0.160, x_3= 0.200			
298.00	39.61	0.10	[29]	298.00	36.72	0.10	[29]
DES102.3 - PEG200:LacA:IsoOH (1:0.25:0.54) x_1= 0.560, x_2= 0.140,x_3= 0.300				**DES102.4 -** PEG200:LacA:IsoOH (1:0.25:0.83) x_1= 0.480, x_2= 0.120, x_3= 0.400			
298.00	33.71	0.10	[29]	298.00	30.17	0.10	[29]
DES102.5 - PEG200:LacA:IsoOH (1:0.25:0.1.25) x_1= 0.400,x_2= 0.100, x_3= 0.500				**DES102.6 -** PEG200:LacA:IsoOH (1:0.25:1.88) x_1= 0.320, x_2= 0.080, x_3= 0.600			
298.00	27.29	0.10	[29]	298.00	25.05	0.10	[29]
DES102.7 - PEG200:LacA:IsoOH (1:0.25:2.92) x_1= 0.240, x_2= 0.060, x_3= 0.700				**DES102.8 -** PEG200:LacA:IsoOH (1:0.25:5) x_1= 0.160, x_2= 0.040, x_3= 0.800			
298.00	21.65	0.10	[29]	298.00	20.20	0.10	[29]
DES102.9 - PEG200:LacA:IsoOH (1:0.25:11.25) x_1= 0.080,x_2= 0.020, x_3= 0.900				**DES103 -** PEG200:LacA (4:1) x_1= 0.800, x_2= 0.200, x_3= 0.000			
298.00	18.23	0.10	[29]	298.00 308.00 318.00 328.00 338.00	45.17 44.33 44.00 42.84 42.30	0.10 0.10 0.10 0.10 0.10	[29]
DES104.1 - PEG200:NMA:Act (1:0.25:0.14) x_1= 0.720, x_2= 0.180, x_3= 0.100				**DES104.2 -** PEG200:NMA:Act (1:0.25:0.31) x_1= 0.640, x_2= 0.160, x_3= 0.200			
298.00	40.95	0.10	[29]	298.00	40.33	0.10	[29]
DES104.3 - PEG200:NMA:Act (1:0.25:0.54) x_1= 0.560, x_2= 0.140, x_3= 0.300				**DES104.4 -** PEG200:NMA:Act (1:0.25:0.83) x_1= 0.480, x_2= 0.120, x_3= 0.400			
298.00	38.48	0.10	[29]	298.00	37.49	0.10	[29]
DES104.5 - PEG200:NMA:Act (1:0.25:0.1.25) x_1= 0.400, x_2= 0.100, x_3= 0.500				**DES104.6 -** PEG200:NMA:Act (1:0.25:1.88) x_1= 0.320, x_2= 0.080, x_3= 0.600			
298.00	36.38	0.10	[29]	298.00	33.76	0.10	[29]
DES104.7 - PEG200:NMA:Act (1:0.25:2.92) x_1= 0.240, x_2= 0.060, x_3= 0.700				**DES104.8 -** PEG200:NMA:Act (1:0.25:5) x_1= 0.160, x_2= 0.040, x_3= 0.800			
298.00	29.31	0.10	[29]	298.00	24.49	0.10	[29]
DES104.9 - PEG200:NMA:Act (1:0.25:11.25) x_1= 0.080, x_2= 0.020, x_3= 0.900				**DES104.10 -** PEG200:NMA:Act (1:2:0.33) x_1= 0.300, x_2= 0.600, x_3= 0.100			
298.00	20.53	0.10	[29]	298.00	38.13	0.10	[29]

DES104.11 - PEG200:NMA:Act (1:2:0.75) x_1= 0.266, x_2= 0.534, x_3= 0.200				**DES104.12 -** PEG200:NMA:Act (1:2:1.29) x_1= 0.233, x_2= 0.467, x_3= 0.300			
298.00	37.58	0.10	[29]	298.00	36.83	0.10	[29]
DES104.13 - PEG200:NMA:Act (1:2:2) x_1= 0.200, x_2= 0.400, x_3= 0.400				**DES104.14 -** PEG200:NMA:Act (1:2:3) x_1= 0.167, x_2= 0.334, x_3= 0.500			
298.00	35.97	0.10	[29]	298.00	34.78	0.10	[29]
DES104.15 - PEG200:NMA:Act (1:2:4.5) x_1= 0.133, x_2= 0.267, x_3= 0.600				**DES104.16 -** PEG200:NMA:Act (1:2:7) x_1= 0.100, x_2= 0.200, x_3= 0.700			
298.00	33.04	0.10	[29]	298.00	30.03	0.10	[29]
DES104.17 - PEG200:NMA:Act (1:2:12) x_1= 0.067, x_2= 0.133, x_3= 0.800				**DES104.18 -** PEG200:NMA:Act (1:2:27) x_1= 0.033, x_2= 0.067, x_3= 0.900			
298.00	25.82	0.10	[29]	298.00	23.34	0.10	[29]
DES105.1 - PEG200:NMA:EtAc (1:0.25:0.14) x_1= 0.720, x_2= 0.180, x_3= 0.100				**DES105.2 -** PEG200:NMA:EtAc (1:0.25:0.31) x_1= 0.640, x_2= 0.160, x_3= 0.200			
298.00	39.34	0.10	[29]	298.00	36.62	0.10	[29]
DES105.3 - PEG200:NMA:EtAc (1:0.25:0.54) x_1= 0.560, x_2= 0.140, x_3= 0.300				**DES105.4 -** PEG200:NMA:EtAc (1:0.25:0.83) x_1= 0.480, x_2= 0.120, x_3= 0.400			
298.00	34.15	0.10	[29]	298.00	31.91	0.10	[29]
DES105.5 - PEG200:NMA:EtAc (1:0.25:0.1.25) x_1= 0.400, x_2= 0.100, x_3= 0.500				**DES105.6 -** PEG200:NMA:EtAc (1:0.25:1.88) x_1= 0.320, x_2= 0.080, x_3= 0.600			
298.00	29.06	0.10	[29]	298.00	26.22	0.10	[29]
DES105.7 - PEG200:NMA:EtAc (1:0.25:2.92) x_1= 0.240, x_2= 0.060, x_3= 0.700				**DES105.8 -** PEG200:NMA:EtAc (1:0.25:5) x_1= 0.160, x_2= 0.040, x_3= 0.800			
298.00	23.50	0.10	[29]	298.00	21.27	0.10	[29]
DES105.9 - PEG200:NMA:EtAc (1:0.25:11.25) x_1= 0.080, x_2= 0.020, x_3= 0.900				**DES105.10 -** PEG200:NMA:EtAc (1:2:0.33) x_1= 0.300, x_2= 0.600, x_3= 0.100			
298.00	19.66	0.10	[29]	298.00	37.04	0.10	[29]
DES105.11 - PEG200:NMA:EtAc (1:2:0.75) x_1= 0.266, x_2= 0.534, x_3= 0.200				**DES105.12 -** PEG200:NMA:EtAc (1:2:1.29) x_1= 0.233, x_2= 0.467, x_3= 0.300			
298.00	34.78	0.10	[29]	298.00	32.08	0.10	[29]
DES105.13 - PEG200:NMA:EtAc (1:2:2) x_1= 0.200, x_2= 0.400, x_3= 0.400				**DES105.14 -** PEG200:NMA:EtAc (1:2:3) x_1= 0.167, x_2= 0.334, x_3= 0.500			
298.00	29.60	0.10	[29]	298.00	27.01	0.10	[29]
DES105.15 - PEG200:NMA:EtAc (1:2:4.5) x_1= 0.133, x_2= 0.267, x_3= 0.600				**DES105.16 -** PEG200:NMA:EtAc (1:2:7) x_1= 0.100, x_2= 0.200, x_3= 0.700			
298.00	24.74	0.10	[29]	298.00	23.12	0.10	[29]
DES105.17 - PEG200:NMA:EtAc (1:2:12) x_1= 0.067, x_2= 0.133, x_3= 0.800				**DES105.18 -** PEG200:NMA:EtAc (1:2:27) x_1= 0.033, x_2= 0.067, x_3= 0.900			
298.00	21.50	0.10	[29]	298.00	20.74	0.10	[29]
DES106.1 - PEG200:NMA:Eth (1:0.25:0.14) x_1= 0.720, x_2= 0.180, x_3= 0.100				**DES106.2 -** PEG200:NMA:Eth (1:0.25:0.31) x_1= 0.640, x_2= 0.160, x_3= 0.200			
298.00	40.09	0.10	[29]	298.00	37.61	0.10	[29]
DES106.3 - PEG200:NMA:Eth (1:0.25:0.54) x_1= 0.560, x_2= 0.140, x_3= 0.300				**DES106.4 -** PEG200:NMA:Eth (1:0.25:0.83) x_1= 0.480, x_2= 0.120, x_3= 0.400			
298.00	35.76	0.10	[29]	298.00	33.90	0.10	[29]
DES106.5 - PEG200:NMA:Eth (1:0.25:0.83) x_1= 0.400, x_2= 0.100, x_3= 0.500				**DES106.6 -** PEG200:NMA:Eth (1:0.25:1.88) x_1= 0.320, x_2= 0.080, x_3= 0.600			
298.00	31.54	0.10	[29]	298.00	29.06	0.10	[29]
DES106.7 - PEG200:NMA:Eth (1:0.25:2.92) x_1= 0.240, x_2= 0.060, x_3= 0.700				**DES106.8 -** PEG200:NMA:Eth (1:0.25:5) x_1= 0.160, x_2= 0.040, x_3= 0.800			
298.00	26.59	0.10	[29]	298.00	22.88	0.10	[29]
DES106.9 - PEG200:NMA:Eth (1:0.25:11.25) x_1= 0.080, x_2= 0.020, x_3= 0.900				**DES106.10 -** PEG200:NMA:Eth (1:2:0.33) x_1= 0.300, x_2= 0.600, x_3= 0.100			
298.00	19.66	0.10	[29]	298.00	36.83	0.10	[29]
DES106.11 - PEG200:NMA:Eth (1:2:0.75) x_1= 0.266, x_2= 0.534, x_3= 0.200				**DES106.12 -** PEG200:NMA:Eth (1:2:1.29) x_1= 0.233, x_2= 0.467, x_3= 0.300			
298.00	34.66	0.10	[29]	298.00	32.73	0.10	[29]
DES106.13 - PEG200:NMA:Eth (1:2:2) x_1= 0.200, x_2= 0.400, x_3= 0.400				**DES106.14 -** PEG200:NMA:Eth (1:2:3) x_1= 0.167, x_2= 0.334, x_3= 0.500			
298.00	30.79	0.10	[29]	298.00	28.63	0.10	[29]
DES106.15 - PEG200:NMA:Eth (1:2:4.5) x_1= 0.133, x_2= 0.267, x_3= 0.600				**DES106.16 -** PEG200:NMA:Eth (1:2:7) x_1= 0.100, x_2= 0.200, x_3= 0.700			
298.00	26.89	0.10	[29]	298.00	24.63	0.10	[29]
DES106.17 - PEG200:NMA:Eth (1:2:12) x_1= 0.067, x_2= 0.133, x_3= 0.800				**DES106.18 -** PEG200:NMA:Eth (1:2:27) x_1= 0.033, x_2= 0.067, x_3= 0.900			
298.00	22.05	0.10	[29]	298.00	19.67	0.10	[29]
DES107.1 - PEG200:NMA:H_2O (1:0.25:0.14) x_1= 0.720, x_2= 0.180, x_3= 0.100				**DES107.2 -** PEG200:NMA:H_2O (1:0.25:0.31) x_1= 0.640, x_2= 0.160, x_3= 0.200			
298.00	42.56	0.10	[29]	298.00	42.93	0.10	[29]
DES107.3 - PEG200:NMA:H_2O (1:0.25:0.54)				**DES107.4 -** PEG200:NMA:H_2O (1:0.25:0.83)			

x_1= 0.560, x_2= 0.140, x_3= 0.300				x_1= 0.480, x_2= 0.120, x_3= 0.400			
298.00	43.43	0.10	[29]	298.00	43.55	0.10	[29]
DES107.5 - PEG200:NMA:H_2O (1:0.25:0.1.25)				**DES107.6 -** PEG200:NMA:H_2O (1:0.25:1.88)			
x_1= 0.400, x_2= 0.100, x_3= 0.500				x_1= 0.320, x_2= 0.080, x_3= 0.600			
298.00	43.92	0.10	[29]	298.00	44.54	0.10	[29]
DES107.7 - PEG200:NMA:H_2O (1:0.25:2.92)				**DES107.8 -** PEG200:NMA:H_2O (1:0.25:5)			
x_1= 0.240, x_2= 0.060, x_3= 0.700				x_1= 0.160, x_2= 0.040, x_3= 0.800			
298.00	45.03	0.10	[29]	298.00	46.27	0.10	[29]
DES107.9 - PEG200:NMA:H_2O (1:0.25:11.25)				**DES107.10 -** PEG200:NMA:H_2O (1:2:0.33)			
x_1= 0.080, x_2= 0.020, x_3= 0.900				x_1= 0.300, x_2= 0.600, x_3= 0.100			
298.00	45.16	0.10	[29]	298.00	39.85	0.10	[29]
DES107.11 - PEG200:NMA:H_2O (1:2:0.75)				**DES107.12 -** PEG200:NMA:H_2O (1:2:1.29)			
x_1= 0.266, x_2= 0.534, x_3= 0.200				x_1= 0.233, x_2= 0.467, x_3= 0.300			
298.00	40.82	0.10	[29]	298.00	41.47	0.10	[29]
DES107.13 - PEG200:NMA:H_2O (1:2:2)				**DES107.14 -** PEG200:NMA:H_2O (1:2:3)			
x_1= 0.200, x_2= 0.400, x_3= 0.400				x_1= 0.167, x_2= 0.334, x_3= 0.500			
298.00	42.56	0.10	[29]	298.00	43.42	0.10	[29]
DES107.15 - PEG200:NMA:H_2O (1:2:4.5)				**DES107.16 -** PEG200:NMA:H_2O (1:2:7)			
x_1= 0.133, x_2= 0.267, x_3= 0.600				x_1= 0.100, x_2= 0.200, x_3= 0.700			
298.00	44.05	0.10	[29]	298.00	45.24	0.10	[29]
DES107.17 - PEG200:NMA:H_2O (1:2:12)				**DES107.18 -** PEG200:NMA:H_2O (1:2:27)			
x_1= 0.067, x_2= 0.133, x_3= 0.800				x_1= 0.033, x_2= 0.067, x_3= 0.900			
298.00	47.19	0.10	[29]	298.00	47.40	0.10	[29]
DES108.1 - PEG200:NMA:IsoOH (1:0.25:0.14)				**DES108.2 -** PEG200:NMA:IsoOH (1:0.25:0.31)			
x_1= 0.720, x_2= 0.180, x_3= 0.100				x_1= 0.640, x_2= 0.160, x_3= 0.200			
298.00	38.60	0.10	[29]	298.00	34.89	0.10	[29]
DES108.3 - PEG200:NMA:IsoOH (1:0.25:0.54)				**DES108.4 -** PEG200:NMA:IsoOH (1:0.25:0.83)			
x_1= 0.560, x_2= 0.140, x_3= 0.300				x_1= 0.480, x_2= 0.120, x_3= 0.400			
298.00	32.53	0.10	[29]	298.00	29.81	0.10	[29]
DES108.5 - PEG200:NMA:IsoOH (1:0.25:0.1.25)				**DES108.6 -** PEG200:NMA:IsoOH (1:0.25:1.88)			
x_1= 0.400, x_2= 0.100, x_3= 0.500				x_1= 0.320, x_2= 0.080, x_3= 0.600			
298.00	26.96	0.10	[29]	298.00	24.73	0.10	[29]
DES108.7 - PEG200:NMA:IsoOH (1:0.25:2.92)				**DES108.8 -** PEG200:NMA:IsoOH (1:0.25:5)			
x_1= 0.240, x_2= 0.060, x_3= 0.700				x_1= 0.160, x_2= 0.040, x_3= 0.800			
298.00	22.14	0.10	[29]	298.00	19.91	0.10	[29]
DES108.9 - PEG200:NMA:IsoOH (1:0.25:11.25)				**DES108.10 -** PEG200:NMA:IsoOH (1:2:0.33)			
x_1= 0.080, x_2= 0.020, x_3= 0.900				x_1= 0.300, x_2= 0.600, x_3= 0.100			
298.00	17.69	0.10	[29]	298.00	35.32	0.10	[29]
DES108.11 - PEG200:NMA:IsoOH (1:2:0.75)				**DES108.12 -** PEG200:NMA:IsoOH (1:2:1.29)			
x_1= 0.266, x_2= 0.534, x_3= 0.200				x_1= 0.233, x_2= 0.467, x_3= 0.300			
298.00	32.41	0.10	[29]	298.00	29.60	0.10	[29]
DES108.13 - PEG200:NMA:IsoOH (1:2:2)				**DES108.14 -** PEG200:NMA:IsoOH (1:2:3)			
x_1= 0.200, x_2= 0.400, x_3= 0.400				x_1= 0.167, x_2= 0.334, x_3= 0.500			
298.00	26.79	0.10	[29]	298.00	24.41	0.10	[29]
DES108.15 - PEG200:NMA:IsoOH (1:2:4.5)				**DES108.16 -** PEG200:NMA:IsoOH (1:2:7)			
x_1= 0.133, x_2= 0.267, x_3= 0.600				x_1= 0.100, x_2= 0.200, x_3= 0.700			
298.00	22.58	0.10	[29]	298.00	21.07	0.10	[29]
DES108.17 - PEG200:NMA:IsoOH (1:2:12)				**DES108.18 -** PEG200:NMA:IsoOH (1:2:27)			
x_1= 0.067, x_2= 0.133, x_3= 0.800				x_1= 0.033, x_2= 0.067, x_3= 0.900			
298.00	19.24	0.10	[29]	298.00	17.62	0.10	[29]
DES109.1 - PEG200:NMA (1:2)				**DES109.2 -** PEG200:NMA (4:1)			
x_1= 0.333, x_2= 0.667, x_3= 0.000				x_1= 0.800, x_2= 0.200, x_3= 0.000			
298.00	40.64	0.10		298.00	44.17	0.10	
308.00	39.90	0.10		308.00	43.40	0.10	
318.00	39.28	0.10	[29]	318.00	42.73	0.10	[29]
328.00	38.65	0.10		328.00	42.14	0.10	
338.00	38.02	0.10		338.00	41.48	0.10	
DES110.1 - PEG200:ThU:Act (1:0.25:0.14)				**DES110.2 -** PEG200:ThU:Act (1:0.25:0.31)			
x_1= 0.720, x_2= 0.180, x_3= 0.100				x_1= 0.640, x_2= 0.160, x_3= 0.200			
298.00	44.16	0.10	[29]	298.00	42.78	0.10	[29]
DES110.3 - PEG200:ThU:Act (1:0.25:0.54)				**DES110.4 -** PEG200ThUAct (1:0.25:0.83)			
x_1= 0.560, x_2= 0.140, x_3= 0.300				x_1= 0.480, x_2= 0.120, x_3= 0.400			
298.00	40.77	0.10	[29]	298.00	38.88	0.10	[29]
DES110.5 - PEG200:ThU:Act (1:0.25:0.1.25)				**DES110.6 -** PEG200:ThU:Act (1:0.25:1.88)			
x_1= 0.400, x_2= 0.100, x_3= 0.500				x_1= 0.320, x_2= 0.080, x_3= 0.600			
298.00	36.48	0.10	[29]	298.00	35.10	0.10	[29]
DES110.7 - PEG200:ThU:Act (1:0.25:2.92)				**DES110.8 -** PEG200:ThU:Act (1:0.25:5)			
x_1= 0.240, x_2= 0.060, x_3= 0.700				x_1= 0.160, x_2= 0.040, x_3= 0.800			
298.00	30.80	0.10	[29]	298.00	25.50	0.10	[29]
DES110.9 - PEG200:ThU:Act (1:0.25:11.25)				**DES110.9 -** PEG200:ThU:Act (1:0.25:11.25)			

x_1= 0.080, x_2= 0.020, x_3= 0.900				x_1= 0.720, x_2= 0.180, x_3= 0.100			
298.00	22.22	0.10	[29]	298.00	40.52	0.10	[29]
DES111.2 - PEG200:ThU:EtAc (1:0.25:0.31)				**DES111.3 -** PEG200:ThU:EtAc (1:0.25:0.54)			
x_1= 0.640, x_2= 0.160, x_3= 0.200				x_1= 0.560, x_2= 0.140, x_3= 0.300			
298.00	35.60	0.10	[29]	298.00	31.94	0.10	[29]
DES111.4 - PEG200:ThU:EtAc (1:0.25:0.83)				**DES111.5 -** PEG200:ThU:EtAc (1:0.25:0.1.25)			
x_1= 0.480, x_2= 0.120, x_3= 0.400				x_1= 0.400, x_2= 0.100, x_3= 0.500			
298.00	26.63	0.10	[29]	298.00	27.39	0.10	[29]
DES111.6 - PEG200:ThU:EtAc (1:0.25:1.88)				**DES111.7 -** PEG200ThU:EtAc (1:0.25:2.92)			
x_1= 0.320, x_2= 0.080, x_3= 0.600				x_1= 0.240, x_2= 0.060, x_3= 0.700			
298.00	24.11	0.10	[29]	298.00	22.59	0.10	[29]
DES111.8 - PEG200:ThU:EtAc (1:0.25:5)				**DES111.9 -** PEG200:ThU:EtAc (1:0.25:11.25)			
x_1= 0.160, x_2= 0.040, x_3= 0.800				x_1= 0.080, x_2= 0.020, x_3= 0.900			
298.00	21.21	0.10	[29]	298.00	20.33	0.10	[29]
DES112.1 - PEG200:ThU:Eth (1:0.25:0.14)				**DES112.2 -** PEG200:ThU:Eth (1:0.25:0.31)			
x_1= 0.720, x_2= 0.180, x_3= 0.100				x_1= 0.640, x_2= 0.160, x_3= 0.200			
298.00	41.65	0.10	[29]	298.00	40.89	0.10	[29]
DES112.3 - PEG200:ThU:Eth (1:0.25:0.54)				**DES112.4 -** PEG200:ThU:Eth (1:0.25:0.83)			
x_1= 0.560, x_2= 0.140, x_3= 0.300				x_1= 0.480, x_2= 0.120, x_3= 0.400			
298.00	39.64	0.10	[29]	298.00	37.10	0.10	[29]
DES112.5 - PEG200:ThU:Eth (1:0.25:0.1.25)				**DES112.6 -** PEG200:ThU:Eth (1:0.25:1.88)			
x_1= 0.400, x_2= 0.100, x_3= 0.500				x_1= 0.320, x_2= 0.080, x_3= 0.600			
298.00	34.84	0.10	[29]	298.00	31.43	0.10	[29]
DES112.7 - PEG200:ThU:Eth (1:0.25:2.92)				**DES112.8 -** PEG200:ThU:Eth (1:0.25:5)			
x_1= 0.240, x_2= 0.060, x_3= 0.700				x_1= 0.160, x_2= 0.040, x_3= 0.800			
298.00	27.14	0.10	[29]	298.00	24.00	0.10	[29]
DES112.9 - PEG200:ThU:Eth (1:0.25:11.25)				**DES113.1 -** PEG200:ThU:H_2O (1:0.25:0.14)			
x_1= 0.080, x_2= 0.020, x_3= 0.900				x_1= 0.720, x_2= 0.180, x_3= 0.100			
298.00	21.21	0.10	[29]	298.00	45.06	0.10	[29]
DES113.2 - PEG200:ThU:H_2O (1:0.25:0.31)				**DES113.3 -** PEG200:ThU:H_2O (1:0.25:0.54)			
x_1= 0.640, x_2= 0.160, x_3= 0.200				x_1= 0.560, x_2= 0.140, x_3= 0.300			
298.00	45.32	0.10	[29]	298.00	45.69	0.10	[29]
DES113.4 - PEG200:ThU:H_2O (1:0.25:0.83)				**DES113.5 -** PEG200:ThU:H_2O (1:0.25:0.1.25)			
x_1= 0.480, x_2= 0.120, x_3= 0.400				x_1= 0.400, x_2= 0.100, x_3= 0.500			
298.00	45.94	0.10	[29]	298.00	46.31	0.10	[29]
DES113.6 - PEG200:ThU:H_2O (1:0.25:1.88)				**DES113.7 -** PEG200:ThU:H_2O (1:0.25:2.92)			
x_1= 0.320, x_2= 0.080, x_3= 0.600				x_1= 0.240, x_2= 0.060, x_3= 0.700			
298.00	46.70	0.10	[29]	298.00	47.44	0.10	[29]
DES113.8 - PEG200:ThU:H_2O (1:0.25:5)				**DES113.9 -** PEG200:ThU:H_2O (1:0.25:11.25)			
x_1= 0.160, x_2= 0.040, x_3= 0.800				x_1= 0.080, x_2= 0.020, x_3= 0.900			
298.00	48.85	0.10	[29]	298.00	49.98	0.10	[29]
DES114.1 - PEG200:ThU:IsoOH (1:0.25:0.14)				**DES114.2 -** PEG200:ThU:IsoOH (1:0.25:0.31)			
x_1= 0.720, x_2= 0.180, x_3= 0.100				x_1= 0.640, x_2= 0.160, x_3= 0.200			
298.00	39.64	0.10	[29]	298.00	36.60	0.10	[29]
DES114.3 - PEG200:ThU:IsoOH (1:0.25:0.54)				**DES114.4 -** PEG200:ThU:IsoOH (1:0.25:0.83)			
x_1= 0.560, x_2= 0.140, x_3= 0.300				x_1= 0.480, x_2= 0.120, x_3= 0.400			
298.00	34.20	0.10	[29]	298.00	30.80	0.10	[29]
DES114.5 - PEG200:ThU:IsoOH (1:0.25:0.1.25)				**DES114.6 -** PEG200:ThU:IsoOH (1:0.25:1.88)			
x_1= 0.400, x_2= 0.100, x_3= 0.500				x_1= 0.320, x_2= 0.080, x_3= 0.600			
298.00	28.15	0.10	[29]	298.00	25.38	0.10	[29]
DES114.7 - PEG200:ThU:IsoOH (1:0.25:2.92)				**DES114.8 -** PEG200:ThU:IsoOH (1:0.25:5)			
x_1= 0.240, x_2= 0.060, x_3= 0.700				x_1= 0.160, x_2= 0.040, x_3= 0.800			
298.00	22.85	0.10	[29]	298.00	20.21	0.10	[29]
DES114.9 - PEG200:ThU:IsoOH (1:0.25:11.25)				**DES115 -** PEG200:ThU (4:1)			
x_1= 0.080, x_2= 0.020, x_3= 0.900				x_1= 0.800, x_2= 0.200, x_3= 0.000			
298.00	18.81	0.10	[29]	298.00 308.00 318.00 328.00 338.00	45.08 44.21 43.42 42.69 41.79	0.10 0.10 0.10 0.10 0.10	[29]
DES116.1 - PEG400:ThU:Act (1:0.25:0.14)				**DES116.2 -** PEG400:ThU:Act (1:0.25:0.31)			
x_1= 0.720, x_2= 0.180, x_3= 0.100				x_1= 0.640, x_2= 0.160, x_3= 0.200			
298.00	44.04	0.10	[29]	298.00	43.56	0.10	[29]
DES116.3 - PEG400:ThU:Act (1:0.25:0.54)				**DES116.4 -** PEG400:ThU:Act (1:0.25:0.83)			
x_1= 0.560, x_2= 0.140, x_3= 0.300				x_1= 0.480, x_2= 0.120, x_3= 0.400			
298.00	43.31	0.10	[29]	298.00	42.12	0.10	[29]
DES116.5 - PEG400:ThU:Act (1:0.25:0.1.25)				**DES116.6 -** PEG400:ThU:Act (1:0.25:1.88)			
x_1= 0.400, x_2= 0.100, x_3= 0.500				x_1= 0.320, x_2= 0.080, x_3= 0.600			
298.00	39.74	0.10	[29]	298.00	37.47	0.10	[29]
DES116.7 - PEG400:ThU:Act (1:0.25:2.92)				**DES116.8 -** PEG400:ThU:Act (1:0.25:5)			

x_1= 0.240, x_2= 0.060, x_3= 0.700				x_1= 0.160, x_2= 0.040, x_3= 0.800			
298.00	34.72	0.10	[29]	298.00	29.10	0.10	[29]
DES116.9 - PEG400:ThU:Act (1:0.25:11.25)				**DES117.1 -** PEG400:ThU:EtAc (1:0.25:0.14)			
x_1= 0.080, x_2= 0.020, x_3= 0.900				x_1= 0.720, x_2= 0.180, x_3= 0.100			
298.00	23.02	0.10	[29]	298.00	42.84	0.10	[29]
DES117.2 - PEG400:ThU:EtAc (1:0.25:0.31)				**DES117.3 -** PEG400:ThU:EtAc (1:0.25:0.54)			
x_1= 0.640, x_2= 0.160, x_3= 0.200				x_1= 0.560, x_2= 0.140, x_3= 0.300			
298.00	40.57	0.10	[29]	298.00	37.94	0.10	[29]
DES117.4 - PEG400:ThU:EtAc (1:0.25:0.83)				**DES117.5 -** PEG400:ThU:EtAc (1:0.25:0.1.25)			
x_1= 0.480, x_2= 0.120, x_3= 0.400				x_1= 0.400, x_2= 0.100, x_3= 0.500			
298.00	33.77	0.10	[29]	298.00	33.65	0.10	[29]
DES117.6 - PEG400:ThU:EtAc (1:0.25:1.88)				**DES117.7 -** PEG400:ThU:EtAc (1:0.25:2.92)			
x_1= 0.320, x_2= 0.080, x_3= 0.600				x_1= 0.240, x_2= 0.060, x_3= 0.700			
298.00	32.22	0.10	[29]	298.00	27.67	0.10	[29]
DES117.8 - PEG400:ThU:EtAc (1:0.25:5)				**DES117.9 -** PEG400:ThU:EtAc (1:0.25:11.25)			
x_1= 0.160, x_2= 0.040, x_3= 0.800				x_1= 0.080, x_2= 0.020, x_3= 0.900			
298.00	22.90	0.10	[29]	298.00	21.46	0.10	[29]
DES118.1 - PEG400:ThU:Eth (1:0.25:0.14)				**DES118.2 -** PEG400:ThU:Eth (1:0.25:0.31)			
x_1= 0.720, x_2= 0.180, x_3= 0.100				x_1= 0.640, x_2= 0.160, x_3= 0.200			
298.00	43.68	0.10	[29]	298.00	42.72	0.10	[29]
DES118.3 - PEG400:ThU:Eth (1:0.25:0.54)				**DES118.4 -** PEG400:ThU:Eth (1:0.25:0.83)			
x_1= 0.560, x_2= 0.140, x_3= 0.300				x_1= 0.480, x_2= 0.120, x_3= 0.400			
298.00	40.09	0.10	[29]	298.00	39.26	0.10	[29]
DES118.5 - PEG400:ThU:Eth (1:0.25:0.1.25)				**DES118.6 -** PEG400:ThU:Eth (1:0.25:1.88)			
x_1= 0.400, x_2= 0.100, x_3= 0.500				x_1= 0.320, x_2= 0.080, x_3= 0.600			
298.00	36.04	0.10	[29]	298.00	31.97	0.10	[29]
DES118.7 - PEG400:ThU:Eth (1:0.25:2.92)				**DES118.8 -** PEG400:ThU:Eth (1:0.25:5)			
x_1= 0.240, x_2= 0.060, x_3= 0.700				x_1= 0.160, x_2= 0.040, x_3= 0.800			
298.00	27.80	0.10	[29]	298.00	23.98	0.10	[29]
DES118.9 - PEG400:ThU:Eth (1:0.25:11.25)				**DES119.1 -** PEG400:ThU:H_2O (1:0.25:0.14)			
x_1= 0.080, x_2= 0.020, x_3= 0.900				x_1= 0.720, x_2= 0.180, x_3= 0.100			
298.00	19.43	0.10	[29]	298.00	41.29	0.10	[29]
DES119.2 - PEG400:ThU:H_2O (1:0.25:0.31)				**DES119.3 -** PEG400:ThU:H_2O (1:0.25:0.54)			
x_1= 0.640, x_2= 0.160, x_3= 0.200				x_1= 0.560, x_2= 0.140, x_3= 0.300			
298.00	41.76	0.10	[29]	298.00	41.89	0.10	[29]
DES119.4 - PEG400:ThU:H_2O (1:0.25:0.83)				**DES119.5 -** PEG400:ThU:H_2O (1:0.25:0.1.25)			
x_1= 0.480, x_2= 0.120, x_3= 0.400				x_1= 0.400, x_2= 0.100, x_3= 0.500			
298.00	42.12	0.10	[29]	298.00	41.64	0.10	[29]
DES119.6 - PEG400:ThU:H_2O (1:0.25:1.88)				**DES119.7 -** PEG400:ThU:H_2O (1:0.25:2.92)			
x_1= 0.320, x_2= 0.080, x_3= 0.600				x_1= 0.240, x_2= 0.060, x_3= 0.700			
298.00	40.69	0.10	[29]	298.00	39.14	0.10	[29]
DES119.8 - PEG400:ThU:H_2O (1:0.25:5)				**DES119.9 -** PEG400:ThU:H_2O (1:0.25:11.25)			
x_1= 0.160, x_2= 0.040, x_3= 0.800				x_1= 0.080, x_2= 0.020, x_3= 0.900			
298.00	38.89	0.10	[29]	298.00	36.15	0.10	[29]
DES120.1 - PEG400:ThU:IsoOH (1:0.25:0.14)				**DES120.2 -** PEG400:ThU:IsoOH (1:0.25:0.31)			
x_1= 0.720, x_2= 0.180, x_3= 0.100				x_1= 0.640, x_2= 0.160, x_3= 0.200			
298.00	42.12	0.10	[29]	298.00	38.89	0.10	[29]
DES120.3 - PEG400:ThU:IsoOH (1:0.25:0.54)				**DES120.4-** PEG400:ThU:IsoOH (1:0.25:0.83)			
x_1= 0.560, x_2= 0.140, x_3= 0.300				x_1= 0.480, x_2= 0.120, x_3= 0.400			
298.00	35.79	0.10	[29]	298.00	34.12	0.10	[29]
DES120.5 - PEG400:ThU:IsoOH (1:0.25:0.1.25)				**DES120.6 -** PEG400:ThU:IsoOH (1:0.25:1.88)			
x_1= 0.400, x_2= 0.100, x_3= 0.500				x_1= 0.320, x_2= 0.080, x_3= 0.600			
298.00	31.25	0.10	[29]	298.00	28.50	0.10	[29]
DES120.7 - PEG400:ThU:IsoOH (1:0.25:2.92)				**DES120.8 -** PEG400:ThU:IsoOH (1:0.25:5)			
x_1= 0.240, x_2= 0.060, x_3= 0.700				x_1= 0.160, x_2= 0.040, x_3= 0.800			
298.00	24.57	0.10	[29]	298.00	19.78	0.10	[29]
DES120.9 - PEG400:ThU:IsoOH (1:0.25:11.25)				**DES121 -** PEG400:ThU (4:1)			
x_1= 0.080, x_2= 0.02, x_3= 0.900				x_1= 0.800, x_2= 0.200, x_3= 0.000			
298.00	18.13	0.10	[29]	298.00 308.00 318.00 328.00 338.00	42.22 41.93 41.83 41.10 40.70	0.10 0.10 0.10 0.10 0.10	[29]
DES122 - Thy:bor (7:3)				**DES123 -** Thy:CaA (1:2)			
x_1= 0.700, x_2= 0.300, x_3= 0.000				x_1= 0.333, x_2= 0.667, x_3= 0.000			
298.15	31.75	0.01	[39]	298.15	28.43	-	[40]
DES124 - Thy:Cam (1:1)				**DES125 -** Thy:CapA (1:1)			
x_1= 0.500, x_2= 0.500, x_3= 0.000				x_1= 0.500, x_2= 0.500, x_3= 0.000			
298.15	30.35	0.06	[39]	298.15	29.09	-	[40]
DES126 - TMG:FuA (2:1)				**DES127 -** TMG:GlyA (2:1)			

x_1= 0.667, x_2= 0.333, x_3= 0.000				x_1= 0.667, x_2= 0.333, x_3= 0.000			
298.15	32.30	-	[43]	298.15	55.92	-	[43]
DES128 - TMG:ManA (1:1) x_1= 0.333, x_2= 0.667, x_3= 0.000				**DES129 -** TMG:PAA (2:1) x_1= 0.500, x_2= 0.500, x_3= 0.000			
298.15	64.50	-	[43]	298.15	40.74	-	[43]
DES130 - $ZnCl_2$:Ace (1:4) x_1= 0.200, x_2= 0.800, x_3= 0.000				**DES131 -** $ZnCl_2$:EG (1:4) x_1= 0.200, x_2= 0.800, x_3= 0.000			
293.02	53.00	-	[44]	293.02	57.90	-	[44]
296.01	52.18	-		295.02	57.14	-	
298.01	51.60	-		298.01	56.56	-	
300.99	51.02	-		301.02	54.93	-	
303.00	50.49	-		305.98	53.59	-	
307.02	49.04	-					
DES132 - $ZnCl_2$:HexOH (1:3) x_1= 0.250, x_2= 0.750, x_3= 0.000				**DES133 -** $ZnCl_2$:U (1:3.5) x_1= 0.222, x_2= 0.778, x_3= 0.000			
297.02	49.44	-	[44]	296.01	73.12	-	[44]
298.04	48.16	-		298.01	71.95	-	
299.02	47.52	-		300.99	70.20	-	
299.98	47.11	-		303.02	68.80	-	
300.99	46.59	-					
303.00	45.71	-					

Table S.2. The surface tension of the 520 DES compositions at 298 K and 100 kPa.

#	DESs	x_1	x_2	x_3	x_4	T, K	γ/mN.m^{-1}	Ref.
DES1 (1:2)	[AcCh][Cl]:U	0.333	0.667	-	-	313.15	65.10	[1]
DES2.1 (1:10)	[ATPP][Br]:DEG	0.091	0.909	-	-	298.15	46.34	[2]
DES2.2 (1:4)	[ATPP][Br]:DEG	0.200	0.800	-	-	298.15	49.37	[2]
DES3.1 (1:16)	[ATPP][Br]:TEG	0.059	0.941	-	-	303.15	47.68	[3]
DES3.2 (1:10)	[ATPP][Br]:TEG	0.091	0.909	-	-	298.15	46.21	[3]
DES4 (1:2)	[BA][Br]:Gly	0.333	0.667	-	-	298.15	44.90	[4]
DES5 (1:7)	[BTP][Cl]:DEG	0.125	0.875	-	-	293.00	66.68	[5]
DES6 (1:11)	[BTP][Cl]:EG	0.250	0.750	-	-	298.15	66.93	[6]
DES7.1 (1:19)	[Ch][Cl]:1,2-ButOH	0.050	0.950	-	-	293.00	32.90	[7]
DES7.2 (1:9)	[Ch][Cl]:1,2-ButOH	0.100	0.900	-	-	293.00	33.70	[7]
DES7.3 (1:5.67)	[Ch][Cl]:1,2-ButOH	0.150	0.850	-	-	293.00	34.20	[7]
DES7.4 (1:4)	[Ch][Cl]:1,2-ButOH	0.200	0.800	-	-	293.00	34.70	[7]
DES8.1 (1:19)	[Ch][Cl]:1,3-ButOH	0.050	0.950	-	-	293.00	34.40	[7]
DES8.2 (1:9)	[Ch][Cl]:1,3-ButOH	0.100	0.900	-	-	293.00	38.20	[7]
DES8.3 (1:5.67)	[Ch][Cl]:1,3-ButOH	0.150	0.850	-	-	293.00	39.00	[7]
DES8.4 (1:4)	[Ch][Cl]:1,3-ButOH	0.200	0.800	-	-	293.00	40.10	[7]
DES9.1 (1:19)	[Ch][Cl]:1,4-ButOH	0.050	0.950	-	-	293.00	46.40	[7]
DES9.2 (1:9)	[Ch][Cl]:1,4-ButOH	0.100	0.900	-	-	293.00	46.80	[7]
DES9.3 (1:5.67)	[Ch][Cl]:1,4-ButOH	0.150	0.850	-	-	293.00	46.90	[7]
DES9.4 (1:4)	[Ch][Cl]:1,4-ButOH	0.200	0.800	-	-	293.00	47.40	[7]
DES9.5 (1:3)	[Ch][Cl]:1,4-ButOH	0.250	0.750	-	-	293.00	47.60	[7]
DES10.1 (1:19)	[Ch][Cl]:2,3-ButOH	0.050	0.950	-	-	293.00	34.20	[7]
DES10.2 (1:9)	[Ch][Cl]:2,3-ButOH	0.100	0.900	-	-	293.00	34.50	[7]
DES10.3 (1:5.67)	[Ch][Cl]:2,3-ButOH	0.150	0.850	-	-	293.00	35.10	[7]
DES10.4 (1:4)	[Ch][Cl]:2,3-ButOH	0.200	0.800	-	-	293.00	35.60	[7]
DES11 (1:1)	[Ch][Cl]:BA	0.500	0.500	-	-	333.15	51.53	[8]
DES12.1 (1:2:10.5)	[Ch][Cl]:CA:H_2O	0.074	0.149	0.777	-	313.15	60.35	[9]
DES12.2 (1.01:1:6.05)	[Ch][Cl]:CA:H_2O	0.125	0.124	0.751	-	278.15	70.49	[10]
DES13 (1:2)	[Ch][Cl]:CA	0.333	0.667	-	-	313.15	60.35	[11]
DES14 (1:2)	[Ch][Cl]:DEG	0.333	0.667	-	-	293.00	48.40	[5]
DES15 (1:1)	[Ch][Cl]:DGA	0.500	0.500	-	-	303.15	67.69	[12]
DES16 (1:1.98:0.95)	[Ch][Cl]:EG:H_2O	0.254	0.504	0.242	-	278.15	56.90	[13]
DES17.1 (1:19)	[Ch][Cl]:EG	0.050	0.950	-	-	277.00	48.00	[7]
DES17.2 (1:9)	[Ch][Cl]:EG	0.100	0.900	-	-	277.00	49.50	[7]
DES17.3 (1:6)	[Ch][Cl]:EG	0.143	0.857	-	-	298.15	46.90	[14]
DES17.4 (1:5.67)	[Ch][Cl]:EG	0.150	0.850	-	-	277.00	51.40	[7]
DES17.5 (1:4)	[Ch][Cl]:EG	0.200	0.800	-	-	277.00	50.60	[7]
DES17.6 (1:3)	[Ch][Cl]:EG	0.250	0.750	-	-	277.00	50.80	[7]
DES17.7 (1:2.33)	[Ch][Cl]:EG	0.300	0.700	-	-	277.00	49.60	[7]
DES17.8 (1:2)	[Ch][Cl]:EG	0.333	0.667	-	-	277.00	50.00	[7]
DES18.1 (1:1)	[Ch][Cl]:Fru	0.500	0.500	-	-	298.15	70.40	[15]
DES18.2 (1.5:1)	[Ch][Cl]:Fru	0.600	0.400	-	-	298.15	73.60	[15]
DES18.3 (2:1)	[Ch][Cl]:Fru	0.667	0.333	-	-	298.15	74.00	[15]
DES18.4 (2.5:1)	[Ch][Cl]:Fru	0.714	0.286	-	-	298.15	75.00	[15]
DES19 (3:1:3)	[Ch][Cl]:Glu:H_2O	0.429	0.143	0.429	-	298.15	78.70	[16]
DES20.1 (1:1)	[Ch][Cl]:Glu	0.500	0.500	-	-	293.15	73.10	[17]

DES20.2 (1.5:1)	[Ch][Cl]:Glu	0.600	0.400	-	-	293.15	72.70	[17]
DES20.3 (1:2)	[Ch][Cl]:Glu	0.333	0.667	-	-	298.15	71.71	[18]
DES20.4 (2:1)	[Ch][Cl]:Glu	0.667	0.333	-	-	293.15	71.70	[17,19]
DES20.5 (2.5:1)	[Ch][Cl]:Glu	0.714	0.286	-	-	293.15	75.00	[17]
DES21 (1:2:5.51)	[Ch][Cl]:Gly:H_2O	0.118	0.235	0.647	-	313.15	56.12	[9]
DES22.1 (1:19)	[Ch][Cl]:Gly	0.050	0.950	-	-	293.00	63.70	[7]
DES22.2 (1:9)	[Ch][Cl]:Gly	0.150	0.850	-	-	293.00	61.60	[7]
DES22.3 (1:5.67)	[Ch][Cl]:Gly	0.150	0.850	-	-	293.00	60.80	[7]
DES22.4 (1:4)	[Ch][Cl]:Gly	0.200	0.800	-	-	293.00	57.40	[7]
DES22.5 (1:3)	[Ch][Cl]:Gly	0.250	0.750	-	-	293.00	50.80	[7]
DES22.6 (1:2.33)	[Ch][Cl]:Gly	0.250	0.750	-	-	293.00	48.50	[7]
DES22.7 (1:2)	[Ch][Cl]:Gly	0.250	0.750	-	-	293.00	55.80	[7]
DES23.1 (1:19)	[Ch][Cl]:HexOH	0.050	0.950	-	-	316.50	42.30	[7]
DES23.2 (1:9)	[Ch][Cl]:HexOH	0.150	0.850	-	-	316.50	42.60	[7]
DES23.3 (1:5.67)	[Ch][Cl]:HexOH	0.150	0.850	-	-	316.50	42.80	[7]
DES23.4 (1:4)	[Ch][Cl]:HexOH	0.200	0.800	-	-	316.50	43.20	[7]
DES23.5 (1:3)	[Ch][Cl]:HexOH	0.250	0.750	-	-	316.50	43.60	[7]
DES24 (1:2:5.26)	[Ch][Cl]:LacA:H2O	0.121	0.242	0.637	-	313.15	42.42	[9]
DES25 (1:2)	[Ch][Cl]:LacA	0.333	0.667	-	-	298.20	48.00	[20]
DES26 (1:2)	[Ch][Cl]:LevA	0.333	0.667	-	-	298.15	39.35	[21]
DES27 (1:2:18.54)	[Ch][Cl]:Mal:H_2O	0.046	0.093	0.861	-	313.15	74.49	[9]
DES28.1 (1:1:20)	[Ch][Cl]:MalA:H_2O	0.045	0.045	0.909	-	323.15	68.20	[22]
DES28.2 (1:1:10)	[Ch][Cl]:MalA:H_2O	0.083	0.083	0.833	-	323.15	59.90	[22]
DES28.3 (1:1:5)	[Ch][Cl]:MalA:H_2O	0.143	0.143	0.714	-	323.15	57.10	[22]
DES28.4 (1:1:2)	[Ch][Cl]:MalA:H_2O	0.250	0.250	0.500	-	323.15	62.80	[22]
DES29 (1:1)	[Ch][Cl]:MalA	0.500	0.500	-	-	323.15	64.40	[23]
DES30.1 (1:8)	[Ch][Cl]:MEA	0.110	0.890	-	-	298.15	49.60	[24]
DES30.2 (1:7)	[Ch][Cl]:MEA	0.130	0.870	-	-	298.15	49.20	[24]
DES30.3 (1:6)	[Ch][Cl]:MEA	0.140	0.860	-	-	298.15	48.70	[24]
DES30.4 (1:5)	[Ch][Cl]:MEA	0.160	0.840	-	-	298.15	48.20	[24]
DES31 (1:0.75)	[Ch][Cl]:Nin	0.571	0.429	-	-	308.15	63.70	[25]
DES32 (1:1:2)	[Ch][Cl]:OA:H_2O	0.250	0.250	0.500	-	298.15	60.80	[26]
DES33 (1:2)	[Ch][Cl]:OA	0.333	0.667	-	-	298.15	75.30	[27]
DES34 (2:1)	[Ch][Cl]:PAA	0.667	0.333	-	-	298.15	41.86	[28]
DES35.1 (1:4:45)	[Ch][Cl]:PEG200:Act	0.020	0.080	0.900	-	298.00	22.55	[29]
DES35.2 (1:4:20)	[Ch][Cl]:PEG200:Act	0.040	0.160	0.800	-	298.00	26.99	[29]
DES35.3 (1:4:11.67)	[Ch][Cl]:PEG200:Act	0.060	0.240	0.700	-	298.00	35.74	[29]
DES35.4 (1:4:7.5)	[Ch][Cl]:PEG200:Act	0.080	0.320	0.600	-	298.00	37.90	[29]
DES35.5 (1:4:5)	[Ch][Cl]:PEG200:Act	0.100	0.400	0.500	-	298.00	38.17	[29]
DES35.6 (1:4:3.33)	[Ch][Cl]:PEG200:Act	0.120	0.480	0.400	-	298.00	39.91	[29]
DES35.7 (1:4:2.14)	[Ch][Cl]:PEG200:Act	0.140	0.560	0.300	-	298.00	41.93	[29]
DES35.8 (1:4:1.25)	[Ch][Cl]:PEG200:Act	0.160	0.640	0.200	-	298.00	43.68	[29]
DES35.9 (1:4:0.56)	[Ch][Cl]:PEG200:Act	0.180	0.720	0.100	-	298.00	45.56	[29]
DES36.1 (1:4:45)	[Ch][Cl]:PEG200:EtAc	0.020	0.080	0.900	-	298.00	20.26	[29]
DES36.2 (1:4:20)	[Ch][Cl]:PEG200:EtAc	0.040	0.160	0.800	-	298.00	21.21	[29]
DES36.3 (1:4:11.67)	[Ch][Cl]:PEG200:EtAc	0.060	0.240	0.700	-	298.00	21.35	[29]
DES36.4 (1:4:7.5)	[Ch][Cl]:PEG200:EtAc	0.080	0.320	0.600	-	298.00	27.54	[29]
DES36.5 (1:4:5)	[Ch][Cl]:PEG200:EtAc	0.100	0.400	0.500	-	298.00	29.01	[29]
DES36.6 (1:4:3.33)	[Ch][Cl]:PEG200:EtAc	0.120	0.480	0.400	-	298.00	33.72	[29]
DES36.7 (1:4:2.14)	[Ch][Cl]:PEG200:EtAc	0.140	0.560	0.300	-	298.00	36.69	[29]
DES36.8 (1:4:1.25)	[Ch][Cl]:PEG200:EtAc	0.160	0.640	0.200	-	298.00	39.91	[29]
DES36.9 (1:4:0.56)	[Ch][Cl]:PEG200:EtAc	0.180	0.720	0.100	-	298.00	43.54	[29]
DES37.1 (1:4:45)	[Ch][Cl]:PEG200:Eth	0.020	0.080	0.900	-	298.00	20.94	[29]
DES37.2 (1:4:20)	[Ch][Cl]:PEG200:Eth	0.040	0.160	0.800	-	298.00	24.70	[29]
DES37.3 (1:4:11.67)	[Ch][Cl]:PEG200:Eth	0.060	0.240	0.700	-	298.00	29.83	[29]
DES37.4 (1:4:7.5)	[Ch][Cl]:PEG200:Eth	0.080	0.320	0.600	-	298.00	33.32	[29]
DES37.5 (1:4:5)	[Ch][Cl]:PEG200:Eth	0.100	0.400	0.500	-	298.00	34.13	[29]
DES37.6 (1:4:3.33)	[Ch][Cl]:PEG200:Eth	0.120	0.480	0.400	-	298.00	37.35	[29]
DES37.7 (1:4:2.14)	[Ch][Cl]:PEG200:Eth	0.140	0.560	0.300	-	298.00	39.10	[29]
DES37.8 (1:4:1.25)	[Ch][Cl]:PEG200:Eth	0.160	0.640	0.200	-	298.00	42.07	[29]
DES37.9 (1:4:0.56)	[Ch][Cl]:PEG200:Eth	0.180	0.720	0.100	-	298.00	43.15	[29]
DES38.1 (1:4:0.1:45.92)	[Ch][Cl]PEG200:FeCl3:Act	0.020	0.078	0.002	0.900	298.00	22.54	[29]
DES38.2 (1:4:0.1:20.41)	[Ch][Cl]PEG200:FeCl3:Act	0.039	0.157	0.004	0.800	298.00	27.47	[29]
DES38.3 (1:4:0.1:11.9)	[Ch][Cl]PEG200:FeCl3:Act	0.059	0.235	0.006	0.700	298.00	32.52	[29]
DES38.4 (1:4:0.1:7.65)	[Ch][Cl]PEG200:FeCl3:Act	0.078	0.314	0.008	0.600	298.00	36.98	[29]
DES38.5 (1:4:0.1:5.1)	[Ch][Cl]PEG200:FeCl3:Act	0.098	0.392	0.010	0.500	298.00	37.11	[29]
DES38.6 (1:4:0.1:3.4)	[Ch][Cl]PEG200:FeCl3:Act	0.118	0.470	0.012	0.400	298.00	38.47	[29]
DES38.7 (1:4:0.1:2.19)	[Ch][Cl]PEG200:FeCl3:Act	0.137	0.549	0.014	0.300	298.00	39.97	[29]
DES38.8 (1:4:0.1:1.28)	[Ch][Cl]PEG200:FeCl3:Act	0.157	0.627	0.016	0.200	298.00	39.74	[29]
DES38.9 (1:4:0.1:0.57)	[Ch][Cl]PEG200:FeCl3:Act	0.176	0.706	0.018	0.100	298.00	38.58	[29]
DES39.1 (1:4:0.1:45.92)	[Ch][Cl]PEG200:FeCl3:EtAc	0.020	0.078	0.002	0.900	298.00	20.70	[29]
DES39.2 (1:4:0.1:20.41)	[Ch][Cl]PEG200:FeCl3:EtAc	0.039	0.157	0.004	0.800	298.00	21.05	[29]

DES39.3 (1:4:0.1:11.9)	[Ch][Cl]PEG200:FeCl3:EtAc	0.059	0.235	0.006	0.700	298.00	22.41	29
DES39.4 (1:4:0.1:7.65)	[Ch][Cl]PEG200:FeCl3:EtAc	0.078	0.314	0.008	0.600	298.00	25.85	29
DES39.5 (1:4:0.1:5.1)	[Ch][Cl]PEG200:FeCl3:EtAc	0.098	0.392	0.010	0.500	298.00	29.76	29
DES39.6 (1:4:0.1:3.4)	[Ch][Cl]PEG200:FeCl3:EtAc	0.118	0.470	0.012	0.400	298.00	32.97	29
DES39.7 (1:4:0.1:2.19)	[Ch][Cl]PEG200:FeCl3:EtAc	0.137	0.549	0.014	0.300	298.00	36.64	29
DES39.8 (1:4:0.1:1.28)	[Ch][Cl]PEG200:FeCl3:EtAc	0.157	0.627	0.016	0.200	298.00	38.47	29
DES39.9 (1:4:0.1:0.57)	[Ch][Cl]PEG200:FeCl3:EtAc	0.176	0.706	0.018	0.100	298.00	41.68	29
DES40.1 (1:4:0.1:45.92)	[Ch][Cl]PEG200:FeCl3:Eth	0.020	0.078	0.002	0.900	298.00	21.15	29
DES40.2 (1:4:0.1:20.41)	[Ch][Cl]PEG200:FeCl3:Eth	0.039	0.157	0.004	0.800	298.00	25.06	29
DES40.3 (1:4:0.1:11.9)	[Ch][Cl]PEG200:FeCl3:Eth	0.059	0.235	0.006	0.700	298.00	28.39	29
DES40.4 (1:4:0.1:7.65)	[Ch][Cl]PEG200:FeCl3:Eth	0.078	0.314	0.008	0.600	298.00	32.17	29
DES40.5 (1:4:0.1:5.1)	[Ch][Cl]PEG200:FeCl3:Eth	0.098	0.392	0.010	0.500	298.00	35.49	29
DES40.6 (1:4:0.1:3.4)	[Ch][Cl]PEG200:FeCl3:Eth	0.118	0.470	0.012	0.400	298.00	36.19	29
DES40.7 (1:4:0.1:2.19)	[Ch][Cl]PEG200:FeCl3:Eth	0.137	0.549	0.014	0.300	298.00	37.45	29
DES40.8 (1:4:0.1:1.28)	[Ch][Cl]PEG200:FeCl3:Eth	0.157	0.627	0.016	0.200	298.00	36.40	29
DES40.9 (1:4:0.1:0.57)	[Ch][Cl]PEG200:FeCl3:Eth	0.176	0.706	0.018	0.100	298.00	36.98	29
DES41.1 (1:4:0.1:45.92)	[Ch][Cl]PEG200:FeCl3:H2O	0.020	0.078	0.002	0.900	298.00	49.84	29
DES41.2 (1:4:0.1:20.41)	[Ch][Cl]PEG200:FeCl3:H2O	0.039	0.157	0.004	0.800	298.00	46.96	29
DES41.3 (1:4:0.1:11.9)	[Ch][Cl]PEG200:FeCl3:H2O	0.059	0.235	0.006	0.700	298.00	46.16	29
DES41.4 (1:4:0.1:7.65)	[Ch][Cl]PEG200:FeCl3:H2O	0.078	0.314	0.008	0.600	298.00	45.48	29
DES41.5 (1:4:0.1:5.1)	[Ch][Cl]PEG200:FeCl3:H2O	0.098	0.392	0.010	0.500	298.00	44.43	29
DES41.6 (1:4:0.1:3.4)	[Ch][Cl]PEG200:FeCl3:H2O	0.118	0.470	0.012	0.400	298.00	43.64	29
DES41.7 (1:4:0.1:2.19)	[Ch][Cl]PEG200:FeCl3:H2O	0.137	0.549	0.014	0.300	298.00	43.30	29
DES41.8 (1:4:0.1:1.28)	[Ch][Cl]PEG200:FeCl3:H2O	0.157	0.627	0.016	0.200	298.00	42.15	29
DES41.9 (1:4:0.1:0.57)	[Ch][Cl]PEG200:FeCl3:H2O	0.176	0.706	0.018	0.100	298.00	41.46	29
DES42.1 (1:4:0.1:45.92)	[Ch][Cl]PEG200:FeCl3:IsoOH	0.020	0.078	0.002	0.900	298.00	18.18	29
DES42.2 (1:4:0.1:20.41)	[Ch][Cl]PEG200:FeCl3:IsoOH	0.039	0.157	0.004	0.800	298.00	20.13	29
DES42.3 (1:4:0.1:11.9)	[Ch][Cl]PEG200:FeCl3:IsoOH	0.059	0.235	0.006	0.700	298.00	22.41	29
DES424 (1:4:0.1:7.65)	[Ch][Cl]PEG200:FeCl3:IsoOH	0.078	0.314	0.008	0.600	298.00	24.72	29
DES42.5 (1:4:0.1:5.1)	[Ch][Cl]PEG200:FeCl3:IsoOH	0.098	0.392	0.010	0.500	298.00	27.92	29
DES42.6 (1:4:0.1:3.4)	[Ch][Cl]PEG200:FeCl3:IsoOH	0.118	0.470	0.012	0.400	298.00	31.49	29
DES42.7 (1:4:0.1:2.19)	[Ch][Cl]PEG200:FeCl3:IsoOH	0.137	0.549	0.014	0.300	298.00	34.69	29
DES42.8 (1:4:0.1:1.28)	[Ch][Cl]PEG200:FeCl3:IsoOH	0.157	0.627	0.016	0.200	298.00	37.56	29
DES42.9 (1:4:0.1:0.57)	[Ch][Cl]PEG200:FeCl3:IsoOH	0.176	0.706	0.018	0.100	298.00	40.31	29
DES43 (1:4:0.1)	[Ch][Cl]:PEG200:FeCl3	0.196	0.784	0.020	-	298.00	34.46	29
DES44.1 (1:4:45)	[Ch][Cl]:PEG200:H2O	0.020	0.080	0.900	-	298.00	47.32	29
DES44.2 (1:4:20)	[Ch][Cl]:PEG200:H2O	0.040	0.160	0.800	-	298.00	49.21	29
DES44.3 (1:4:11.67)	[Ch][Cl]:PEG200:H2O	0.060	0.240	0.700	-	298.00	48.66	29
DES44.4 (1:4:7.5)	[Ch][Cl]:PEG200:H2O	0.080	0.320	0.600	-	298.00	47.98	29
DES44.5 (1:4:5)	[Ch][Cl]:PEG200:H2O	0.100	0.400	0.500	-	298.00	46.92	29
DES44.6 (1:4:3.33)	[Ch][Cl]:PEG200:H2O	0.120	0.480	0.400	-	298.00	46.37	29
DES44.7 (1:4:2.14)	[Ch][Cl]:PEG200:H2O	0.140	0.560	0.300	-	298.00	45.83	29
DES44.8 (1:4:1.25)	[Ch][Cl]:PEG200:H2O	0.160	0.640	0.200	-	298.00	46.37	29
DES44.9 (1:4:0.56)	[Ch][Cl]:PEG200:H2O	0.180	0.720	0.100	-	298.00	46.51	29
DES45.1 (1:4:45)	[Ch][Cl]:PEG200:IsoOH	0.020	0.080	0.900	-	298.00	19.19	29
DES45.2 (1:4:20)	[Ch][Cl]:PEG200:IsoOH	0.040	0.160	0.800	-	298.00	20.67	29
DES45.3 (1:4:11.67)	[Ch][Cl]:PEG200:IsoOH	0.060	0.240	0.700	-	298.00	23.09	29
DES45.4 (1:4:7.5)	[Ch][Cl]:PEG200:IsoOH	0.080	0.320	0.600	-	298.00	25.11	29
DES45.5 (1:4:5)	[Ch][Cl]:PEG200:IsoOH	0.100	0.400	0.500	-	298.00	28.60	29
DES45.6 (1:4:3.33)	[Ch][Cl]:PEG200:IsoOH	0.120	0.480	0.400	-	298.00	31.44	29
DES45.7 (1:4:2.14)	[Ch][Cl]:PEG200:IsoOH	0.140	0.560	0.300	-	298.00	33.45	29
DES45.8 (1:4:1.25)	[Ch][Cl]:PEG200:IsoOH	0.160	0.640	0.200	-	298.00	36.42	29
DES45.9 (1:4:0.56)	[Ch][Cl]:PEG200:IsoOH	0.180	0.720	0.100	-	298.00	40.05	29
DES46.1 (1:7)	[Ch][Cl]:PEG200	0.125	0.875	-	-	298.00	51.54	30
DES46.2 (1:6)	[Ch][Cl]:PEG200	0.143	0.857	-	-	298.00	52.26	30
DES46.3 (1:5)	[Ch][Cl]:PEG200	0.167	0.833	-	-	298.00	48.39	30
DES46.4 (1:4)	[Ch][Cl]:PEG200	0.200	0.800	-	-	298.00	55.03	30
DES47 (1:4:0.1)	[Ch][Cl]:PEG400:FeCl3	0.196	0.784	0.020	-	298.00	35.59	29
DES48 (1:4)	[Ch][Cl]:PEG400	0.800	0.200	-	-	298.00	45.62	29
DES49 (1:3.5)	[Ch][Cl]:PenOH	0.200	0.800	-	-	298.15	47.50	26
DES50 (1:2)	[Ch][Cl]:Ph	0.333	0.667	-	-	298.15	35.46	21
DES51 (1:2)	[Ch][Cl]:TFA	0.333	0.667	-	-	313.15	35.90	1
DES52.1 (1:2.32:14.25)	[Ch][Cl]:U:H2O	0.057	0.132	0.811	-	307.90	59.58	31
DES52.2 (1:2.32:5.15)	[Ch][Cl]:U:H2O	0.118	0.274	0.608	-	307.90	64.31	31
DES52.3 (1:2.32:1.74)	[Ch][Cl]:U:H2O	0.197	0.459	0.343	-	307.90	69.41	31
DES52.4 (1:2.32:0.08)	[Ch][Cl]:U:H2O	0.294	0.683	0.024	-	307.90	74.43	31
DES53 (1:2)	[Ch][Cl]:U	0.333	0.667	-	-	293.15	57.20	32
DES54 (2.02:1:2.95)	[Ch][Cl]:Xyl:H2O	0.338	0.168	0.494	-	278.15	80.68	10
DES55 (1:3)	[DEEA][Cl]:DEG	0.250	0.750	-	-	293.00	64.95	5
DES56 (1:2)	[EA][Br]:Gly	0.333	0.667	-	-	298.15	57.60	4
DES57 (1:1.5)	[EA][Cl]:Ace	0.400	0.600	-	-	313.15	46.30	1
DES58 (1:1.5)	[EA][Cl]:TFA	0.400	0.600	-	-	313.15	30.10	1

DES59 (1:1.5)	[EA][Cl]:U	0.400	0.600	-	-	313.15	52.90	1
DES60.1 (1:6)	[MPPyr][$N(SO_2CF_3)_2$]:EG	0.143	0.857	-	-	298.15	38.40	14
DES60.2 (1:4)	[MPPyr][$N(SO_2CF_3)_2$]:EG	0.200	0.800	-	-	298.15	38.40	14
DES60.3 (1:2)	[MPPyr][$N(SO_2CF_3)_2$]:EG	0.333	0.667	-	-	298.15	38.00	14
DES61 (1:4)	[MTP][Br]:DEG	0.200	0.800	-	-	293.00	62.74	5
DES62.1 (1:4)	[MTP][Br]:EG	0.200	0.800	-	-	303.15	50.74	33
DES62.2 (1:2)	[MTP][Br]:EG	0.333	0.667	-	-	298.15	47.51	18
DES63 (1:3)	[MTP][Br]:Gly	0.250	0.750	-	-	298.15	59.35	18
DES64.1 (1:16)	[MTP][Br]:MDEA	0.059	0.941	-	-	298.15	41.99	3
DES64.2 (1:10)	[MTP][Br]:MDEA	0.091	0.909	-	-	298.15	42.80	3
DES64.3 (1:7)	[MTP][Br]:MDEA	0.125	0.875	-	-	298.15	43.06	3
DES65.1 (1:8)	[MTP][Br]:MEA	0.110	0.890	-	-	298.15	50.30	24
DES65.2 (1:7)	[MTP][Br]:MEA	0.130	0.870	-	-	298.15	50.20	24
DES65.3 (1:6)	[MTP][Br]:MEA	0.140	0.860	-	-	298.15	49.30	24
DES65.4 (1:5)	[MTP][Br]:MEA	0.160	0.840	-	-	298.15	48.90	24
DES66 (1:5.25)	[MTP][Br]:TEG	0.160	0.840	-	-	303.15	49.27	33
DES67.1 (1:3)	[N-DEEA][Cl]:EG	0.250	0.750	-	-	303.15	47.15	33
DES67.2 (1:2)	[N-DEEA][Cl]:EG	0.333	0.667	-	-	298.15	51.29	18
DES68.1 (1:4)	[N-DEEA][Cl]:Gly	0.200	0.800	-	-	303.15	58.75	18
DES68.2 (1:2)	[N-DEEA][Cl]:Gly	0.333	0.667	-	-	298.15	58.94	18
DES69 (1:2)	[N-DEEA][Cl]:TFA	0.333	0.667	-	-	303.15	39.78	33
DES70 (1:2)	[PA][Br]:Gly	0.333	0.667	-	-	298.15	51.70	4
DES71 (1:1)	[TBA][Br]:AA	0.500	0.500	-	-	298.15	34.50	34
DES72 (1:2)	[TBA][Br]:DEG	0.333	0.667	-	-	293.00	53.50	5
DES73 (1:2)	[TBA][Br]:EG	0.333	0.667	-	-	298.15	53.31	6
DES74 (1:1)	[TBA][Br]:FA	0.500	0.500	-	-	298.15	37.20	34
DES75 (1:1)	[TBA][Br]:MalA	0.500	0.500	-	-	298.15	38.20	34
DES76.1 (1:6)	[TBA][Br]:MEA	0.140	0.860	-	-	298.15	36.10	24
DES76.2 (1:5)	[TBA][Br]:MEA	0.160	0.840	-	-	298.15	36.00	24
DES76.3 (1:4)	[TBA][Br]:MEA	0.200	0.800	-	-	298.15	35.80	24
DES76.4 (1:3)	[TBA][Br]:MEA	0.250	0.750	-	-	298.15	35.70	24
DES77 (1:1)	[TBA][Br]:OA	0.500	0.500	-	-	298.15	42.70	34
DES78 (1:1)	[TBA][Br]:PA	0.500	0.500	-	-	298.15	32.40	34
DES79.1 (6:1)	[TBA][Cl]:Arg	0.857	0.143	-	-	313.15	40.40	35
DES79.2 (7:1)	[TBA][Cl]:Arg	0.875	0.125	-	-	313.15	38.20	35
DES79.3 (8:1)	[TBA][Cl]:Arg	0.889	0.111	-	-	313.15	39.70	35
DES80.1 (9:1)	[TBA][Cl]:AspA	0.900	0.100	-	-	313.15	38.50	35
DES80.2 (10:1)	[TBA][Cl]:AspA	0.909	0.091	-	-	313.15	40.90	35
DES80.3 (11:1)	[TBA][Cl]:AspA	0.917	0.083	-	-	313.15	43.40	35
DES81.1 (8:1)	[TBA][Cl]:GluA	0.889	0.111	-	-	313.15	39.10	35
DES81.2 (9:1)	[TBA][Cl]:GluA	0.900	0.100	-	-	313.15	33.60	35
DES81.3 (10:1)	[TBA][Cl]:GluA	0.909	0.091	-	-	313.15	37.60	35
DES82 (9:1)	[TBA][Cl]:Met	0.900	0.100	-	-	313.15	41.80	35
DES83 (1:1)	[TBA][HSO_4]:BA	0.500	0.500	-	-	333.15	42.60	8
DES84 (1:1)	[TBA][HSO_4]:DGA	0.500	0.500	-	-	303.15	43.89	12
DES85 (1:0.75)	[TBA][HSO_4]:Nin	0.571	0.429	-	-	308.15	43.23	25
DES86 (1:1)	[TEA][Br]:BA	0.500	0.500	-	-	333.15	52.59	8
DES87.1 (1:5)	[TPA][Br]:EG	0.167	0.833	-	-	303.15	46.99	36
DES87.2 (1:4)	[TPA][Br]:EG	0.200	0.800	-	-	303.15	46.80	36
DES87.3 (1:3)	[TPA][Br]:EG	0.250	0.750	-	-	303.15	46.27	36
DES88.1 (1:4)	[TPA][Br]:Gly	0.200	0.800	-	-	303.15	53.15	36
DES88.2 (1:3)	[TPA][Br]:Gly	0.250	0.750	-	-	303.15	52.77	36
DES88.3 (1:2)	[TPA][Br]:Gly	0.333	0.667	-	-	303.15	50.87	36
DES89.1 (1:4)	[TPA][Br]:TEG	0.200	0.800	-	-	303.15	45.96	36
DES89.2 (1:3)	[TPA][Br]:TEG	0.250	0.750	-	-	303.15	46.17	36
DES89.3 (1:2.5)	[TPA][Br]:TEG	0.286	0.714	-	-	303.15	46.55	36
DES90 (1:2)	Bet:LacA		0.333	0.667	-	293.15	46.30	37
DES91 (1:1:6.5)	Glu:CA		0.118	0.118	0.765	288.15	71.30	16
DES92.1 (3:7)	Mat:Pae		0.300	0.700	-	303.15	42.14	38
DES92.2 (4:6)	Mat:Pae		0.400	0.600	-	303.15	43.15	38
DES92.3 (5:5)	Mat:Pae		0.500	0.500	-	303.15	43.36	38
DES93 (7:3)	Men:bor		0.700	0.300	-	298.15	29.04	39
DES94 (3:2)	Men:Cam		0.600	0.400	-	298.15	29.41	39
DES95 (1:1)	Men:CapA		0.500	0.500	-	298.15	28.04	40
DES96.1 (3:1)	Men:OcA		0.750	0.250	-	298.20	23.77	41
DES96.2 (2:1)	Men:OcA		0.667	0.333	-	298.24	20.94	41
DES96.3 (1:1)	Men:OcA		0.500	0.500	-	298.11	26.67	41
DES96.4 (1:2)	Men:OcA		0.333	0.667	-	298.00	25.72	41
DES96.5 (1:3)	Men:OcA		0.250	0.750	-	298.16	23.32	41
DES97.1 (1:0.04)	PDA:1,4-ButOH		0.959	0.042	-	293.15	41.82	42
DES97.2 (1:0.09)	PDA:1,4-ButOH		0.916	0.084	-	293.15	42.26	42
DES97.3 (1:0.15)	PDA:1,4-ButOH		0.873	0.127	-	293.15	42.85	42

DES97.4 (1:0.21)	PDA:1,4-ButOH	0.830	0.171	-	293.15	43.13	42
DES97.5 (1:0.27)	PDA:1,4-ButOH	0.785	0.215	-	293.15	43.57	42
DES97.6 (1:0.35)	PDA:1,4-ButOH	0.739	0.261	-	293.15	44.12	42
DES97.7 (1:0.44)	PDA:1,4-ButOH	0.693	0.307	-	293.15	44.60	42
DES97.8 (1:0.55)	PDA:1,4-ButOH	0.646	0.354	-	293.15	45.26	42
DES97.9 (1:0.67)	PDA:1,4-ButOH	0.598	0.402	-	293.15	45.67	42
DES97.10 (1:0.82)	PDA:1,4-ButOH	0.549	0.451	-	293.15	46.02	42
DES97.11 (1:1)	PDA:1,4-ButOH	0.499	0.501	-	293.15	46.13	42
DES97.12 (1:1.23)	PDA:1,4-ButOH	0.448	0.552	-	293.15	46.47	42
DES97.13 (1:1.53)	PDA:1,4-ButOH	0.396	0.604	-	293.15	46.75	42
DES97.14 (1:1.92)	PDA:1,4-ButOH	0.343	0.657	-	293.15	46.79	42
DES97.15 (1:2.47)	PDA:1,4-ButOH	0.288	0.712	-	293.15	46.69	42
DES97.16 (1:3.29)	PDA:1,4-ButOH	0.233	0.767	-	293.15	46.48	42
DES97.17 (1:4.65)	PDA:1,4-ButOH	0.177	0.823	-	293.15	46.15	42
DES97.18 (1:7.40)	PDA:1,4-ButOH	0.119	0.881	-	293.15	45.86	42
DES97.19 (1:15.67)	PDA:1,4-ButOH	0.060	0.940	-	293.15	45.56	42
DES98.1 (1:0.25:0.14)	PEG200:LacA	0.720	0.180	0.100	298.00	43.41	29
DES98.2 (1:0.25:0.31)	PEG200:LacA	0.640	0.160	0.200	298.00	43.03	29
DES98.3 (1:0.25:0.54)	PEG200:LacA	0.560	0.140	0.300	298.00	43.41	29
DES98.4 (1:0.25:0.83)	PEG200:LacA	0.480	0.120	0.400	298.00	42.90	29
DES98.5 (1:0.25:0.1.25)	PEG200:LacA	0.400	0.100	0.500	298.00	42.36	29
DES98.6 (1:0.25:1.88)	PEG200:LacA	0.320	0.080	0.600	298.00	40.26	29
DES98.7 (1:0.25:2.92)	PEG200:LacA	0.240	0.060	0.700	298.00	33.19	29
DES98.8 (1:0.25:5)	PEG200:LacA	0.160	0.040	0.800	298.00	29.50	29
DES98.9 (1:0.25:11.25)	PEG200:LacA	0.080	0.020	0.900	298.00	23.73	29
DES99.1 (1:0.25:0.14)	PEG200:LacA	0.720	0.180	0.100	298.00	39.88	29
DES99.2 (1:0.25:0.31)	PEG200:LacA	0.640	0.160	0.200	298.00	35.54	29
DES99.3 (1:0.25:0.54)	PEG200:LacA	0.560	0.140	0.300	298.00	33.84	29
DES99.4 (1:0.25:0.83)	PEG200:LacA	0.480	0.120	0.400	298.00	30.55	29
DES99.5 (1:0.25:0.1.25)	PEG200:LacA	0.400	0.100	0.500	298.00	28.21	29
DES99.6 (1:0.25:1.88)	PEG200:LacA	0.320	0.080	0.600	298.00	25.05	29
DES99.7 (1:0.25:2.92)	PEG200:LacA	0.240	0.060	0.700	298.00	22.95	29
DES99.8 (1:0.25:5)	PEG200:LacA	0.160	0.040	0.800	298.00	21.39	29
DES99.9 (1:0.25:11.25)	PEG200:LacA	0.080	0.020	0.900	298.00	19.93	29
DES100.1 (1:0.25:0.14)	PEG200:LacA	0.720	0.180	0.100	298.00	42.11	29
DES100.2 (1:0.25:0.31)	PEG200:LacA	0.640	0.160	0.200	298.00	40.01	29
DES100.3 (1:0.25:0.54)	PEG200:LacA	0.560	0.140	0.300	298.00	37.37	29
DES100.4 (1:0.25:0.83)	PEG200:LacA	0.480	0.120	0.400	298.00	36.08	29
DES100.5 (1:0.25:0.1.25)	PEG200:LacA	0.400	0.100	0.500	298.00	33.44	29
DES100.6 (1:0.25:1.88)	PEG200:LacA	0.320	0.080	0.600	298.00	30.44	29
DES100.7 (1:0.25:2.92)	PEG200:LacA	0.240	0.060	0.700	298.00	26.62	29
DES100.8 (1:0.25:5)	PEG200:LacA	0.160	0.040	0.800	298.00	23.87	29
DES100.9 (1:0.25:11.25)	PEG200:LacA	0.080	0.020	0.900	298.00	20.98	29
DES101.1 (1:0.25:0.14)	PEG200:LacA	0.720	0.180	0.100	298.00	44.46	29
DES101.2 (1:0.25:0.31)	PEG200:LacA	0.640	0.160	0.200	298.00	45.51	29
DES101.3 (1:0.25:0.54)	PEG200:LacA	0.560	0.140	0.300	298.00	45.65	29
DES101.4 (1:0.25:0.83)	PEG200:LacA	0.480	0.120	0.400	298.00	45.91	29
DES101.5 (1:0.25:0.1.25)	PEG200:LacA	0.400	0.100	0.500	298.00	46.56	29
DES101.6 (1:0.25:1.88)	PEG200:LacA	0.320	0.080	0.600	298.00	46.96	29
DES101.7 (1:0.25:2.92)	PEG200:LacA	0.240	0.060	0.700	298.00	48.13	29
DES101.8 (1:0.25:5)	PEG200:LacA	0.160	0.040	0.800	298.00	48.40	29
DES101.9 (1:0.25:11.25)	PEG200:LacA	0.080	0.020	0.900	298.00	48.26	29
DES102.1 (1:0.25:0.14)	PEG200:LacA	0.720	0.180	0.100	298.00	39.61	29
DES102.2 (1:0.25:0.31)	PEG200:LacA	0.640	0.160	0.200	298.00	36.72	29
DES102.3 (1:0.25:0.54)	PEG200:LacA	0.560	0.140	0.300	298.00	33.71	29
DES102.4 (1:0.25:0.83)	PEG200:LacA	0.480	0.120	0.400	298.00	30.17	29
DES102.5 (1:0.25:0.1.25)	PEG200:LacA	0.400	0.100	0.500	298.00	27.29	29
DES102.6 (1:0.25:1.88)	PEG200:LacA	0.320	0.080	0.600	298.00	25.05	29
DES102.7 (1:0.25:2.92)	PEG200:LacA	0.240	0.060	0.700	298.00	21.65	29
DES102.8 (1:0.25:5)	PEG200:LacA	0.160	0.040	0.800	298.00	20.20	29
DES102.9 (1:0.25:11.25)	PEG200:LacA	0.080	0.020	0.900	298.00	18.23	29
DES103 (4:1)	PEG200:LacA	0.800	0.200	-	298.00	45.17	29
DES104.1 (1:0.25:0.14)	PEG200:NMA	0.720	0.180	0.100	298.00	40.95	29
DES104.2 (1:0.25:0.31)	PEG200:NMA	0.640	0.160	0.200	298.00	40.33	29
DES104.3 (1:0.25:0.54)	PEG200:NMA	0.560	0.140	0.300	298.00	38.48	29
DES104.4 (1:0.25:0.83)	PEG200:NMA	0.480	0.120	0.400	298.00	37.49	29
DES104.5 (1:0.25:0.1.25)	PEG200:NMA	0.400	0.100	0.500	298.00	36.38	29
DES104.6 (1:0.25:1.88)	PEG200:NMA	0.320	0.080	0.600	298.00	33.76	29
DES104.7 (1:0.25:2.92)	PEG200:NMA	0.240	0.060	0.700	298.00	29.31	29
DES104.8 (1:0.25:5)	PEG200:NMA	0.160	0.040	0.800	298.00	24.49	29
DES104.9 (1:0.25:11.25)	PEG200:NMA	0.080	0.020	0.900	298.00	20.53	29
DES104.10 (1:2:0.33)	PEG200:NMA	0.300	0.600	0.100	298.00	38.13	29

DES104.11 (1:2:0.75)	PEG200:NMA	0.266	0.534	0.200	298.00	37.58	[29]
DES104.12 (1:2:1.29)	PEG200:NMA	0.233	0.467	0.300	298.00	36.83	[29]
DES104.13 (1:2:2)	PEG200:NMA	0.200	0.400	0.400	298.00	35.97	[29]
DES104.14 (1:2:3)	PEG200:NMA	0.167	0.334	0.500	298.00	34.78	[29]
DES104.15 (1:2:4.5)	PEG200:NMA	0.133	0.267	0.600	298.00	33.04	[29]
DES104.16 (1:2:7)	PEG200:NMA	0.100	0.200	0.700	298.00	30.03	[29]
DES104.17 (1:2:12)	PEG200:NMA	0.067	0.133	0.800	298.00	25.82	[29]
DES104.18 (1:2:27)	PEG200:NMA	0.033	0.067	0.900	298.00	23.34	[29]
DES105.1 (1:0.25:0.14)	PEG200:NMA	0.720	0.180	0.100	298.00	39.34	[29]
DES105.2 (1:0.25:0.31)	PEG200:NMA	0.640	0.160	0.200	298.00	36.62	[29]
DES105.3 (1:0.25:0.54)	PEG200:NMA	0.560	0.140	0.300	298.00	34.15	[29]
DES105.4 (1:0.25:0.83)	PEG200:NMA	0.480	0.120	0.400	298.00	31.91	[29]
DES105.5 (1:0.25:0.1.25)	PEG200:NMA	0.400	0.100	0.500	298.00	29.06	[29]
DES105.6 (1:0.25:1.88)	PEG200:NMA	0.320	0.080	0.600	298.00	26.22	[29]
DES105.7 (1:0.25:2.92)	PEG200:NMA	0.240	0.060	0.700	298.00	23.50	[29]
DES105.8 (1:0.25:5)	PEG200:NMA	0.160	0.040	0.800	298.00	21.27	[29]
DES105.9 (1:0.25:11.25)	PEG200:NMA	0.080	0.020	0.900	298.00	19.66	[29]
DES105.10 (1:2:0.33)	PEG200:NMA	0.300	0.600	0.100	298.00	37.04	[29]
DES105.11 (1:2:0.75)	PEG200:NMA	0.266	0.534	0.200	298.00	34.78	[29]
DES105.12 (1:2:1.29)	PEG200:NMA	0.233	0.467	0.300	298.00	32.08	[29]
DES105.13 (1:2:2)	PEG200:NMA	0.200	0.400	0.400	298.00	29.60	[29]
DES105.14 (1:2:3)	PEG200:NMA	0.167	0.334	0.500	298.00	27.01	[29]
DES105.15 (1:2:4.5)	PEG200:NMA	0.133	0.267	0.600	298.00	24.74	[29]
DES105.16 (1:2:7)	PEG200:NMA	0.100	0.200	0.700	298.00	23.12	[29]
DES105.17 (1:2:12)	PEG200:NMA	0.067	0.133	0.800	298.00	21.50	[29]
DES105.18 (1:2:27)	PEG200:NMA	0.033	0.067	0.900	298.00	20.74	[29]
DES106.1 (1:0.25:0.14)	PEG200:NMA	0.720	0.180	0.100	298.00	40.09	[29]
DES106.2 (1:0.25:0.31)	PEG200:NMA	0.640	0.160	0.200	298.00	37.61	[29]
DES106.3 (1:0.25:0.54)	PEG200:NMA	0.560	0.140	0.300	298.00	35.76	[29]
DES106.4 (1:0.25:0.83)	PEG200:NMA	0.480	0.120	0.400	298.00	33.90	[29]
DES106.5 (1:0.25:0.1.25)	PEG200:NMA	0.400	0.100	0.500	298.00	31.54	[29]
DES106.6 (1:0.25:1.88)	PEG200:NMA	0.320	0.080	0.600	298.00	29.06	[29]
DES106.7 (1:0.25:2.92)	PEG200:NMA	0.240	0.060	0.700	298.00	26.59	[29]
DES106.8 (1:0.25:5)	PEG200:NMA	0.160	0.040	0.800	298.00	22.88	[29]
DES106.9 (1:0.25:11.25)	PEG200:NMA	0.080	0.020	0.900	298.00	19.66	[29]
DES106.10 (1:2:0.33)	PEG200:NMA	0.300	0.600	0.100	298.00	36.83	[29]
DES106.11 (1:2:0.75)	PEG200:NMA	0.266	0.534	0.200	298.00	34.66	[29]
DES106.12 (1:2:1.29)	PEG200:NMA	0.233	0.467	0.300	298.00	32.73	[29]
DES106.13 (1:2:2)	PEG200:NMA	0.200	0.400	0.400	298.00	30.79	[29]
DES106.14 (1:2:3)	PEG200:NMA	0.167	0.334	0.500	298.00	28.63	[29]
DES106.15 (1:2:4.5)	PEG200:NMA	0.133	0.267	0.600	298.00	26.89	[29]
DES106.16 (1:2:7)	PEG200:NMA	0.100	0.200	0.700	298.00	24.63	[29]
DES106.17 (1:2:12)	PEG200:NMA	0.067	0.133	0.800	298.00	22.05	[29]
DES106.18 (1:2:27)	PEG200:NMA	0.033	0.067	0.900	298.00	19.67	[29]
DES107.1 (1:0.25:0.14)	PEG200:NMA	0.720	0.180	0.100	298.00	42.56	[29]
DES107.2 (1:0.25:0.31)	PEG200:NMA	0.640	0.160	0.200	298.00	42.93	[29]
DES107.3 (1:0.25:0.54)	PEG200:NMA	0.560	0.140	0.300	298.00	43.43	[29]
DES107.4 (1:0.25:0.83)	PEG200:NMA	0.480	0.120	0.400	298.00	43.55	[29]
DES107.5 (1:0.25:0.1.25)	PEG200:NMA	0.400	0.100	0.500	298.00	43.92	[29]
DES107.6 (1:0.25:1.88)	PEG200:NMA	0.320	0.080	0.600	298.00	44.54	[29]
DES107.7 (1:0.25:2.92)	PEG200:NMA	0.240	0.060	0.700	298.00	45.03	[29]
DES107.8 (1:0.25:5)	PEG200:NMA	0.160	0.040	0.800	298.00	46.27	[29]
DES107.9 (1:0.25:11.25)	PEG200:NMA	0.080	0.020	0.900	298.00	45.16	[29]
DES107.10 (1:2:0.33)	PEG200:NMA	0.300	0.600	0.100	298.00	39.85	[29]
DES107.11 (1:2:0.75)	PEG200:NMA	0.266	0.534	0.200	298.00	40.82	[29]
DES107.12 (1:2:1.29)	PEG200:NMA	0.233	0.467	0.300	298.00	41.47	[29]
DES107.13 (1:2:2)	PEG200:NMA	0.200	0.400	0.400	298.00	42.56	[29]
DES107.14 (1:2:3)	PEG200:NMA	0.167	0.334	0.500	298.00	43.42	[29]
DES107.15 (1:2:4.5)	PEG200:NMA	0.133	0.267	0.600	298.00	44.05	[29]
DES107.16 (1:2:7)	PEG200:NMA	0.100	0.200	0.700	298.00	45.24	[29]
DES107.17 (1:2:12)	PEG200:NMA	0.067	0.133	0.800	298.00	47.19	[29]
DES107.18 (1:2:27)	PEG200:NMA	0.033	0.067	0.900	298.00	47.40	[29]
DES108.1 (1:0.25:0.14)	PEG200:NMA	0.720	0.180	0.100	298.00	38.60	[29]
DES108.2 (1:0.25:0.31)	PEG200:NMA	0.640	0.160	0.200	298.00	34.89	[29]
DES108.3 (1:0.25:0.54)	PEG200:NMA	0.560	0.140	0.300	298.00	32.53	[29]
DES108.4 (1:0.25:0.83)	PEG200:NMA	0.480	0.120	0.400	298.00	29.81	[29]
DES108.5 (1:0.25:0.1.25)	PEG200:NMA	0.400	0.100	0.500	298.00	26.96	[29]
DES108.6 (1:0.25:1.88)	PEG200:NMA	0.320	0.080	0.600	298.00	24.73	[29]
DES108.7 (1:0.25:2.92)	PEG200:NMA	0.240	0.060	0.700	298.00	22.14	[29]
DES108.8 (1:0.25:5)	PEG200:NMA	0.160	0.040	0.800	298.00	19.91	[29]
DES108.9 (1:0.25:11.25)	PEG200:NMA	0.080	0.020	0.900	298.00	17.69	[29]
DES108.10 (1:2:0.33)	PEG200:NMA	0.300	0.600	0.100	298.00	35.32	[29]

DES108.11 (1:2:0.75)	PEG200:NMA	0.266	0.534	0.200	298.00	32.41	[29]
DES108.12 (1:2:1.29)	PEG200:NMA	0.233	0.467	0.300	298.00	29.60	[29]
DES108.13 (1:2:2)	PEG200:NMA	0.200	0.400	0.400	298.00	26.79	[29]
DES108.14 (1:2:3)	PEG200:NMA	0.167	0.334	0.500	298.00	24.41	[29]
DES108.15 (1:2:4.5)	PEG200:NMA	0.133	0.267	0.600	298.00	22.58	[29]
DES108.16 (1:2:7)	PEG200:NMA	0.100	0.200	0.700	298.00	21.07	[29]
DES108.17 (1:2:12)	PEG200:NMA	0.067	0.133	0.800	298.00	19.24	[29]
DES108.18 (1:2:27)	PEG200:NMA	0.033	0.067	0.900	298.00	17.62	[29]
DES109.1 (1:2)	PEG200:NMA	0.333	0.667	-	298.00	40.64	[29]
DES109.2 (4:1)	PEG200:NMA	0.800	0.200	-	298.00	44.17	[29]
DES110.1 (1:0.25:0.14)	PEG200:ThU	0.720	0.180	0.100	298.00	44.16	[29]
DES110.2 (1:0.25:0.31)	PEG200:ThU	0.640	0.160	0.200	298.00	42.78	[29]
DES110.3 (1:0.25:0.54)	PEG200:ThU	0.560	0.140	0.300	298.00	40.77	[29]
DES110.4 (1:0.25:0.83)	PEG200:ThU	0.480	0.120	0.400	298.00	38.88	[29]
DES110.5 (1:0.25:0.1.25)	PEG200:ThU	0.400	0.100	0.500	298.00	36.48	[29]
DES110.6 (1:0.25:1.88)	PEG200:ThU	0.320	0.080	0.600	298.00	35.10	[29]
DES110.7 (1:0.25:2.92)	PEG200:ThU	0.240	0.060	0.700	298.00	30.80	[29]
DES110.8 (1:0.25:5)	PEG200:ThU	0.160	0.040	0.800	298.00	25.50	[29]
DES110.9 (1:0.25:11.25)	PEG200:ThU	0.080	0.020	0.900	298.00	22.22	[29]
DES111.1 (1:0.25:0.14)	PEG200:ThU	0.720	0.180	0.100	298.00	40.52	[29]
DES111.2 (1:0.25:0.31)	PEG200:ThU	0.640	0.160	0.200	298.00	35.60	[29]
DES111.3 (1:0.25:0.54)	PEG200:ThU	0.560	0.140	0.300	298.00	31.94	[29]
DES111.4 (1:0.25:0.83)	PEG200:ThU	0.480	0.120	0.400	298.00	26.63	[29]
DES111.5 (1:0.25:0.1.25)	PEG200:ThU	0.400	0.100	0.500	298.00	27.39	[29]
DES111.6 (1:0.25:1.88)	PEG200:ThU	0.320	0.080	0.600	298.00	24.11	[29]
DES111.7 (1:0.25:2.92)	PEG200:ThU	0.240	0.060	0.700	298.00	22.59	[29]
DES111.8 (1:0.25:5)	PEG200:ThU	0.160	0.040	0.800	298.00	21.21	[29]
DES111.9 (1:0.25:11.25)	PEG200:ThU	0.080	0.020	0.900	298.00	20.33	[29]
DES112.1 (1:0.25:0.14)	PEG200:ThU	0.720	0.180	0.100	298.00	41.65	[29]
DES112.2 (1:0.25:0.31)	PEG200:ThU	0.640	0.160	0.200	298.00	40.89	[29]
DES112.3 (1:0.25:0.54)	PEG200:ThU	0.560	0.140	0.300	298.00	39.64	[29]
DES112.4 (1:0.25:0.83)	PEG200:ThU	0.480	0.120	0.400	298.00	37.10	[29]
DES112.5 (1:0.25:0.1.25)	PEG200:ThU	0.400	0.100	0.500	298.00	34.84	[29]
DES112.6 (1:0.25:1.88)	PEG200:ThU	0.320	0.080	0.600	298.00	31.43	[29]
DES112.7 (1:0.25:2.92)	PEG200:ThU	0.240	0.060	0.700	298.00	27.14	[29]
DES112.8 (1:0.25:5)	PEG200:ThU	0.160	0.040	0.800	298.00	24.00	[29]
DES112.9 (1:0.25:11.25)	PEG200:ThU	0.080	0.020	0.900	298.00	21.21	[29]
DES113.1 (1:0.25:0.14)	PEG200:ThU	0.720	0.180	0.100	298.00	45.06	[29]
DES113.2 (1:0.25:0.31)	PEG200:ThU	0.640	0.160	0.200	298.00	45.32	[29]
DES113.3 (1:0.25:0.54)	PEG200:ThU	0.560	0.140	0.300	298.00	45.69	[29]
DES113.4 (1:0.25:0.83)	PEG200:ThU	0.480	0.120	0.400	298.00	45.94	[29]
DES113.5 (1:0.25:0.1.25)	PEG200:ThU	0.400	0.100	0.500	298.00	46.31	[29]
DES113.6 (1:0.25:1.88)	PEG200:ThU	0.320	0.080	0.600	298.00	46.70	[29]
DES113.7 (1:0.25:2.92)	PEG200:ThU	0.240	0.060	0.700	298.00	47.44	[29]
DES113.8 (1:0.25:5)	PEG200:ThU	0.160	0.040	0.800	298.00	48.85	[29]
DES113.9 (1:0.25:11.25)	PEG200:ThU	0.080	0.020	0.900	298.00	49.98	[29]
DES114.1 (1:0.25:0.14)	PEG200:ThU	0.720	0.180	0.100	298.00	39.64	[29]
DES114.2 (1:0.25:0.31)	PEG200:ThU	0.640	0.160	0.200	298.00	36.60	[29]
DES114.3 (1:0.25:0.54)	PEG200:ThU	0.560	0.140	0.300	298.00	34.20	[29]
DES114.4 (1:0.25:0.83)	PEG200:ThU	0.480	0.120	0.400	298.00	30.80	[29]
DES114.5 (1:0.25:0.1.25)	PEG200:ThU	0.400	0.100	0.500	298.00	28.15	[29]
DES114.6 (1:0.25:1.88)	PEG200:ThU	0.320	0.080	0.600	298.00	25.38	[29]
DES114.7 (1:0.25:2.92)	PEG200:ThU	0.240	0.060	0.700	298.00	22.85	[29]
DES114.8 (1:0.25:5)	PEG200:ThU	0.160	0.040	0.800	298.00	20.21	[29]
DES114.9 (1:0.25:11.25)	PEG200:ThU	0.080	0.020	0.900	298.00	18.81	[29]
DES115 (4:1)	PEG200:ThU	0.800	0.200		298.00	45.08	[29]
DES116.1 (1:0.25:0.14)	PEG400:ThU	0.720	0.180	0.100	298.00	44.04	[29]
DES116.2 (1:0.25:0.31)	PEG400:ThU	0.640	0.160	0.200	298.00	43.56	[29]
DES116.3 (1:0.25:0.54)	PEG400:ThU	0.560	0.140	0.300	298.00	43.31	[29]
DES116.4 (1:0.25:0.83)	PEG400:ThU	0.480	0.120	0.400	298.00	42.12	[29]
DES116.5 (1:0.25:0.1.25)	PEG400:ThU	0.400	0.100	0.500	298.00	39.74	[29]
DES116.6 (1:0.25:1.88)	PEG400:ThU	0.320	0.080	0.600	298.00	37.47	[29]
DES116.7 (1:0.25:2.92)	PEG400:ThU	0.240	0.060	0.700	298.00	34.72	[29]
DES116.8 (1:0.25:5)	PEG400:ThU	0.160	0.040	0.800	298.00	29.10	[29]
DES116.9 (1:0.25:11.25)	PEG400:ThU	0.080	0.020	0.900	298.00	23.02	[29]
DES117.1 (1:0.25:0.14)	PEG400:ThU	0.720	0.180	0.100	298.00	42.84	[29]
DES117.2 (1:0.25:0.31)	PEG400:ThU	0.640	0.160	0.200	298.00	40.57	[29]
DES117.3 (1:0.25:0.54)	PEG400:ThU	0.560	0.140	0.300	298.00	37.94	[29]
DES117.4 (1:0.25:0.83)	PEG400:ThU	0.480	0.120	0.400	298.00	33.77	[29]
DES117.5 (1:0.25:0.1.25)	PEG400:ThU	0.400	0.100	0.500	298.00	33.65	[29]
DES117.6 (1:0.25:1.88)	PEG400:ThU	0.320	0.080	0.600	298.00	32.22	[29]
DES117.7 (1:0.25:2.92)	PEG400:ThU	0.240	0.060	0.700	298.00	27.67	[29]

DES117.8 (1:0.25:5)	PEG400:ThU	0.160	0.040	0.800	298.00	22.90	[29]
DES117.9 (1:0.25:11.25)	PEG400:ThU	0.080	0.020	0.900	298.00	21.46	[29]
DES118.1 (1:0.25:0.14)	PEG400:ThU	0.720	0.180	0.100	298.00	43.68	[29]
DES118.2 (1:0.25:0.31)	PEG400:ThU	0.640	0.160	0.200	298.00	42.72	[29]
DES118.3 (1:0.25:0.54)	PEG400:ThU	0.560	0.140	0.300	298.00	40.09	[29]
DES118.4 (1:0.25:0.83)	PEG400:ThU	0.480	0.120	0.400	298.00	39.26	[29]
DES118.5 (1:0.25:0.1.25)	PEG400:ThU	0.400	0.100	0.500	298.00	36.04	[29]
DES118.6 (1:0.25:1.88)	PEG400:ThU	0.320	0.080	0.600	298.00	31.97	[29]
DES118.7 (1:0.25:2.92)	PEG400:ThU	0.240	0.060	0.700	298.00	27.80	[29]
DES118.8 (1:0.25:5)	PEG400:ThU	0.160	0.040	0.800	298.00	23.98	[29]
DES118.9 (1:0.25:11.25)	PEG400:ThU	0.080	0.020	0.900	298.00	19.43	[29]
DES119.1 (1:0.25:0.14)	PEG400:ThU	0.720	0.180	0.100	298.00	41.29	[29]
DES119.2 (1:0.25:0.31)	PEG400:ThU	0.640	0.160	0.200	298.00	41.76	[29]
DES119.3 (1:0.25:0.54)	PEG400:ThU	0.560	0.140	0.300	298.00	41.89	[29]
DES119.4 (1:0.25:0.83)	PEG400:ThU	0.480	0.120	0.400	298.00	42.12	[29]
DES119.5 (1:0.25:0.1.25)	PEG400:ThU	0.400	0.100	0.500	298.00	41.64	[29]
DES119.6 (1:0.25:1.88)	PEG400:ThU	0.320	0.080	0.600	298.00	40.69	[29]
DES119.7 (1:0.25:2.92)	PEG400:ThU	0.240	0.060	0.700	298.00	39.14	[29]
DES119.8 (1:0.25:5)	PEG400:ThU	0.160	0.040	0.800	298.00	38.89	[29]
DES119.9 (1:0.25:11.25)	PEG400:ThU	0.080	0.020	0.900	298.00	36.15	[29]
DES120.1 (1:0.25:0.14)	PEG400:ThU	0.720	0.180	0.100	298.00	42.12	[29]
DES120.2 (1:0.25:0.31)	PEG400:ThU	0.640	0.160	0.200	298.00	38.89	[29]
DES120.3 (1:0.25:0.54)	PEG400:ThU	0.560	0.140	0.300	298.00	35.79	[29]
DES120.4 (1:0.25:0.83)	PEG400:ThU	0.480	0.120	0.400	298.00	34.12	[29]
DES120.5 (1:0.25:0.1.25)	PEG400:ThU	0.400	0.100	0.500	298.00	31.25	[29]
DES120.6 (1:0.25:1.88)	PEG400:ThU	0.320	0.080	0.600	298.00	28.50	[29]
DES120.7 (1:0.25:2.92)	PEG400:ThU	0.240	0.060	0.700	298.00	24.57	[29]
DES120.8 (1:0.25:5)	PEG400:ThU	0.160	0.040	0.800	298.00	19.78	[29]
DES120.9 (1:0.25:11.25)	PEG400:ThU	0.080	0.020	0.900	298.00	18.13	[29]
DES121 (4:1)	PEG400:ThU	0.800	0.200	-	298.00	42.22	[29]
DES122 (7:3)	Thy:bor	0.700	0.300	-	298.15	31.75	[39]
DES123 (1:2)	Thy:CaA	0.333	0.667	-	298.15	28.43	[40]
DES124 (1:1)	Thy:Cam	0.500	0.500	-	298.15	30.35	[39]
DES125 (1:1)	Thy:CapA	0.500	0.500	-	298.15	29.09	[40]
DES126 (2:1)	TMG:FuA	0.667	0.333	-	298.15	32.30	[43]
DES127 (2:1)	TMG:GlyA	0.667	0.333	-	298.15	55.92	[43]
DES128 (1:1)	TMG:ManA	0.500	0.500	-	298.15	64.50	[43]
DES129 (2:1)	TMG:PAA	0.667	0.333	-	298.15	40.74	[43]
DES130 (1:4)	$ZnCl_2$:Ace	0.200	0.800	-	293.02	53.00	[44]
DES131 (1:4)	$ZnCl_2$:EG	0.200	0.800	-	293.02	57.90	[44]
DES132 (1:3)	$ZnCl_2$:HexOH	0.250	0.750	-	297.02	49.44	[44]
DES133 (1:3.5)	$ZnCl_2$:U	0.222	0.778	-	296.01	73.12	[44]

Table S.3. The calculated molecular descriptors for all the 81 modeled anions, cations and HBDs.

Nb#		Hydrogen Bond Donor Region			Non-Polar Region		Hydrogen Bond Acceptor Region		
		S_1	S_2	S_3	S_4	S_5	S_6	S_7	S_8
1- Anions									
1	[Br]	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
2	[Cl]	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00691650	0.03055050	0.00000000
3	[HSO_4]	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.05238600	0.00000000
4	[$N(SO_2CF_3)_2$]	0.00000000	0.00497450	0.00288100	0.00183750	0.00978200	0.05967450	0.00430050	0.00000000
2- Cations									
1	[AcCh]	0.00000000	0.00001700	0.08060350	0.07213100	0.01110750	0.01546600	0.00000700	0.00000000
2	[ATPP]	0.00000000	0.00000000	0.05247250	0.13133000	0.08616300	0.00001250	0.00000000	0.00000000
3	[BA]	0.00004150	0.03163850	0.01343950	0.06252700	0.01411350	0.00000000	0.00000000	0.00000000
4	[BTP]	0.00000000	0.00007250	0.05136100	0.14494050	0.10567150	0.00000000	0.00000000	0.00000000
5	[Ch]	0.00000000	0.00442100	0.07271500	0.04591050	0.00417800	0.00832700	0.00097450	0.00000000
6	[DEEA]	0.00000000	0.00447600	0.06750900	0.06144650	0.00574550	0.00769800	0.00125400	0.00000000
7	[EA]	0.00000000	0.03230600	0.01505150	0.03407450	0.00184900	0.00000000	0.00000000	0.00000000
8	[MPPyr]	0.00000000	0.00000000	0.04628000	0.10644900	0.00785200	0.00000000	0.00000000	0.00000000
9	[MTP]	0.00000000	0.00000000	0.05564900	0.12074750	0.08008000	0.00000000	0.00000000	0.00000000
10	[N-DEEA]	0.00000000	0.00595650	0.05116750	0.07803400	0.00676200	0.00487600	0.00027300	0.00000000
11	[PA]	0.00001600	0.03197850	0.01330000	0.05022750	0.00812900	0.00000000	0.00000000	0.00000000
12	[TBA]	0.00000000	0.00000000	0.03069200	0.22411450	0.05317700	0.00000000	0.00000000	0.00000000
13	[TEA]	0.00000000	0.00000000	0.04154200	0.11301800	0.00348300	0.00000000	0.00000000	0.00000000
14	[TPA]	0.00000000	0.00000000	0.03166450	0.17386550	0.02863850	0.00000000	0.00000000	0.00000000
3- Others									
1	[1,2-ButOH]	0.00000000	0.00303550	0.00916500	0.06406300	0.02658500	0.01265400	0.00480300	0.00000000
2	[1,3-ButOH]	0.00000000	0.00434700	0.01018350	0.06322650	0.02326400	0.01325800	0.00768800	0.00000000
3	[1,4-ButOH]	0.00000000	0.00466450	0.01031750	0.07009950	0.01834900	0.01325900	0.00849900	0.00000000
4	[2,3-ButOH]	0.00000000	0.00218500	0.00849900	0.06345400	0.02731650	0.01318650	0.00438550	0.00000000
5	[AA]	0.00000000	0.00573350	0.00631250	0.03722650	0.01138200	0.02125000	0.00004900	0.00000000
6	[Ace]	0.00000000	0.00219350	0.01399900	0.03305950	0.01434900	0.01224800	0.00532150	0.00000000
7	[Act]	0.00000000	0.00000000	0.00204450	0.05802250	0.00992150	0.01598800	0.00068250	0.00000000
8	[Arg]	0.00000000	0.00665500	0.04011050	0.06521250	0.03955900	0.03255250	0.01025600	0.00013300
9	[AspA]	0.00000000	0.01198800	0.02472500	0.03717700	0.02402700	0.03803850	0.00267000	0.00024550
10	[BenA]	0.00000000	0.00708450	0.01094800	0.08571200	0.09762100	0.01809950	0.00018350	0.00000000
11	[Bet]	0.00000000	0.00000000	0.04135150	0.05329000	0.00523650	0.01089150	0.02330800	0.00000450
12	[bor]	0.00000000	0.00146400	0.00480200	0.09652450	0.05844350	0.00619950	0.00314100	0.00000000
13	[CA]	0.00000000	0.01948150	0.02331900	0.03998750	0.03897150	0.05231150	0.00001700	0.00000000
14	[CaA]	0.00000000	0.00563100	0.00430450	0.13152950	0.06020650	0.02034150	0.00004150	0.00000000
15	[Cam]	0.00000000	0.00000000	0.00039250	0.10985400	0.04105700	0.10985400	0.00039250	0.00000000
16	[CapA]	0.00000000	0.00563400	0.00432650	0.10955700	0.04834700	0.02034000	0.00004350	0.00000000
17	[DEG]	0.00000000	0.00576000	0.01022750	0.07387350	0.01817300	0.02183650	0.00624250	0.00000000
18	[DGA]	0.00000000	0.01233750	0.02213950	0.03693450	0.02471800	0.03864750	0.00291750	0.00000000
19	[EG]	0.00000000	0.00324450	0.00986850	0.04247900	0.01138950	0.01318650	0.00613900	0.00000000
20	[EtAc]	0.00000000	0.00000000	0.00178300	0.07926600	0.01734500	0.01980800	0.00012750	0.00000000
21	[Eth]	0.00000000	0.00197050	0.00547550	0.04400100	0.01702600	0.00632950	0.00466250	0.00000000
22	[FA]	0.00000000	0.00641000	0.01038900	0.01804750	0.01167650	0.02038250	0.00000000	0.00000000
23	[$FeCl_3$]	0.00000000	0.00000000	0.00775950	0.03350050	0.06601450	0.00000000	0.00000000	0.00000000
24	[Fru]	0.00000000	0.00789450	0.02352850	0.06002150	0.02484350	0.03676800	0.00499800	0.00000000
25	[FuA]	0.00000000	0.00594700	0.01792600	0.03813800	0.03696150	0.02229100	0.00001200	0.00000000
26	[Glu]	0.00000000	0.01317100	0.02945200	0.04628450	0.02320950	0.04083800	0.00697050	0.00000000
27	[GluA]	0.00000000	0.01160700	0.01986250	0.05795400	0.02512450	0.03977300	0.00308300	0.00000000
28	[Gly]	0.00000000	0.00583150	0.01527950	0.04762350	0.01335850	0.01893100	0.00899100	0.00000000
29	[GlyA]	0.00000000	0.00941500	0.01411250	0.02268300	0.01625300	0.02614850	0.00154400	0.00000000
30	[H_2O]	0.00000000	0.00579700	0.01009300	0.00294950	0.00466050	0.00611700	0.00792500	0.00000000
31	[HexOH]	0.00000000	0.00412200	0.01027400	0.09671050	0.02662000	0.01401750	0.00866750	0.00000000
32	[IsoOH]	0.00000000	0.00141350	0.00509000	0.05485800	0.02434450	0.00678600	0.00434350	0.00000000
33	[LacA]	0.00000000	0.00685300	0.00907200	0.04270000	0.02228200	0.02212600	0.00215150	0.00000000
34	[LevA]	0.00000000	0.00577200	0.00926850	0.06684000	0.01820900	0.03365050	0.00025900	0.00000000
35	[Mal]	0.00000000	0.01642850	0.04099350	0.09314550	0.04189150	0.06346700	0.00960300	0.00000000
36	[MalA]	0.00000000	0.01236900	0.01817900	0.02697950	0.02195200	0.03772950	0.00000000	0.00000000
37	[ManA]	0.00000000	0.00730300	0.01286750	0.05506150	0.06042150	0.02117900	0.00100800	0.00000000
38	[Mat]	0.00000000	0.00000000	0.00002300	0.16903500	0.04024150	0.01078950	0.00691550	0.00000000
39	[MDEA]	0.00000000	0.00541500	0.01006300	0.08353700	0.02546900	0.01518100	0.00967050	0.00000000
40	[MEA]	0.00000000	0.00285700	0.01638500	0.04088750	0.01388450	0.00954500	0.00779300	0.00108800
41	[Men]	0.00000000	0.00126300	0.00457750	0.11484350	0.05676200	0.00643800	0.00338000	0.00000000
42	[Met]	0.00000000	0.00577750	0.01825100	0.07276850	0.03241550	0.02618350	0.00467350	0.00047600
43	[Nin]	0.00000000	0.00775450	0.02281850	0.05941850	0.03076400	0.04110400	0.00000000	0.00000000
44	[NMA]	0.00000000	0.00132600	0.00690950	0.05907500	0.01606500	0.00997800	0.00535600	0.00000000
45	[OA]	0.00000050	0.01493250	0.00859350	0.01851450	0.02104500	0.03288300	0.00000000	0.00000000
46	[OcA]	0.00000000	0.00563400	0.00432650	0.10955700	0.04834700	0.02034000	0.00004350	0.00000900
47	[PA]	0.00000000	0.00564600	0.00447150	0.05075850	0.01940400	0.02022250	0.00006250	0.00000000

48	[PAA]	0.00000000	0.00581150	0.00953000	0.06493150	0.05476350	0.02000100	0.00005400	0.00000000
49	[Pae]	0.00000000	0.00000000	0.01251250	0.08094650	0.05164200	0.02228650	0.00018900	0.00000000
50	[PDA]	0.00000000	0.00000000	0.01945000	0.06061850	0.01719950	0.00551850	0.00779350	0.00257400
51	[PEG200]	0.00000000	0.00679500	0.00988500	0.15010450	0.02496250	0.03850600	0.00662000	0.00000000
52	[PEG400]	0.00000000	0.00589050	0.01031500	0.35047800	0.03394300	0.05653450	0.02501850	0.00000000
53	[PenOH]	0.00000000	0.00419300	0.01036350	0.08383450	0.02241400	0.01378150	0.00844500	0.00000000
54	[Ph]	0.00000000	0.00586000	0.00605250	0.04226900	0.05369550	0.00899350	0.00000500	0.00000000
55	[TEA]	0.00000000	0.00828700	0.01500300	0.08936250	0.02804950	0.02101000	0.01136050	0.00003200
56	[TEG]	0.00000000	0.00628550	0.01005400	0.11197150	0.02156650	0.03007300	0.00643550	0.00000000
57	[TFA]	0.00000000	0.00842550	0.00862400	0.02055100	0.04837650	0.01584200	0.00000300	0.00000000
58	[ThU]	0.00000000	0.01115500	0.01846200	0.00745900	0.02674600	0.02795800	0.00008300	0.00000000
59	[Thy]	0.00000000	0.00679500	0.00988500	0.15010450	0.02496250	0.03850600	0.00662000	0.00000000
60	[TMG]	0.00000000	0.00389300	0.00571850	0.09384000	0.01612200	0.02146200	0.00483700	0.00000000
61	[U]	0.00000000	0.00402400	0.02415850	0.00957800	0.01569300	0.01642100	0.00690050	0.00000000
62	[Xyl]	0.00000000	0.01013300	0.02129050	0.06106550	0.01977100	0.03008800	0.00894650	0.00000000
63	[$ZnCl_2$]	0.00041750	0.00000000	0.00920550	0.00005450	0.04529200	0.01611400	0.00000000	0.00000000

Table S.4. The ANN weights and biases for the links between the neurons in the first hidden layer, the second hidden layer, and the output layer.

Hidden Layer 1

	H_1	H_2	H_3	H_4	H_5	H_6	H_7	H_8	H_9	H_{10}	H_{11}	H_{12}	H_{13}	H_{14}	H_{15}
S_1	-1.1338E+07	2.5537E+05	1.5268E+05	-1.5752E+05	1.1110E+05	-5.3650E+04	2.3958E+04	-7.4043E+05	-1.0760E+06	3.4415E+05	3.3179E+05	-7.4494E+04	-4.5714E+05	4.9243E+05	2.1793E+05
S_2	2.5539E+03	2.7244E+03	1.6891E+03	2.0500E+03	1.3111E+03	1.5133E+03	-2.9408E+03	-5.4452E+02	1.1885E+03	1.0748E+03	-1.4528E+03	-1.5350E+03	-7.4030E+02	1.7345E+02	-1.1218E+03
S_3	-5.8352E+02	-2.1204E+01	1.0027E+03	-7.8411E+02	1.5372E+02	2.1926E+02	5.3110E+02	-4.8448E+01	-2.4045E+02	3.5855E+02	8.4983E+02	-4.7754E+01	3.3401E+02	5.5894E+02	-1.0463E+03
S_4	-2.6164	1.6981E+02	2.7476E+02	7.9128E+01	7.8042E+01	1.4229E+02	2.4452E+02	-9.0100E+01	-4.9601E+01	1.6742E+02	5.7721E+01	-1.8608E+02	-8.1405E+01	-8.3877E+01	-1.3605E+02
S_5	-1.7546E+01	-4.4422E+02	-1.0034E+03	2.5088E+02	1.4271E+02	8.7078E+01	-6.5890E+02	1.3188E+02	1.4767E+02	-1.0880E+02	7.7643E+01	2.7382E+02	3.5472E+02	-1.4309E+01	-4.1306E+02
S_6	1.9837E+02	-8.9084E+02	-1.2609E+03	6.4288E+02	-2.4934E+02	-9.4112E+02	-1.9200E+02	4.1454E+02	-1.2213E+02	-4.7452E+02	2.5834E+02	6.5806E+02	2.2874E+02	-3.1372E+02	5.2549E+02
S_7	-5.0265E+01	-5.8379E+02	-6.5291E+02	5.2969E+02	4.8461E+02	-3.1180E+02	-1.0389E+03	2.6622E+01	7.6455E+02	-6.1054E+02	-4.4734E+02	5.5320E+02	-4.2920E+02	-4.8944E+02	9.9763E+02
S_8	7.6508E+03	-1.2961E+04	4.0532E+04	-1.5900E+04	-2.3106E+04	-1.3478E+04	-6.6855E+03	-1.2617E+02	-1.7271E+03	7.5078E+03	-3.0060E+03	9.7037E+03	1.0416E+04	-9.6832E+03	1.4982E+04
T	1.1749E-02	-4.7587E-03	-9.0458E-02	-2.7099E-02	-5.7218E-02	2.3226E-02	3.4020E-02	8.9643E-03	-2.0043E-02	7.5099E-02	6.3015E-03	-1.4850E-02	-1.3366E-03	5.9303E-03	-8.3494E-02
b	-1.7677	8.7305	2.8979E+01	-1.2586E+01	-2.1466	-8.5229	8.0392	-2.4141	-2.2936	-3.1102E+01	-1.5919E+01	7.3535	-4.4442	3.7003	4.5017E+01

Hidden Layer 2

	HH_1	HH_2	HH_3	HH_4	HH_5	HH_6	HH_7	HH_8	HH_9	HH_{10}	HH_{11}	HH_{12}	HH_{13}	HH_{14}	HH_{15}
H_1	9.3615	2.0907	5.7445	-5.1926	1.1028E+01	-1.1008E+01	-4.2602	-5.9954E-01	1.9382E+01	1.3568E+01	-1.2870E+01	2.3549E+01	2.3383	-3.5294	5.8347E-01
H_2	9.7510	4.7245	7.0257	-4.7253	5.2891E-01	2.3745E+01	-6.7923	-4.4519	-1.2834E+01	6.7219	1.5576E+01	4.0044	1.5906	-6.5892	4.0962
H_3	-2.4007	6.9744	-2.3492	-1.2150	-3.9224	-7.6372	7.6628E-02	2.7125	-1.4615E+01	7.4044E-02	5.5426E-01	-5.3861	8.4748E-04	9.9733	-1.5045E+01
H_4	9.2003	-6.0639	5.0720	5.6403	1.0529E+01	3.1777E-01	-8.1566E-01	-1.4900	-7.4514E-01	5.7231	5.7503E-01	-6.3966	3.1331	5.3904	2.2312
H_5	8.4947E-01	1.0379E+01	-6.0875	-1.8730	-4.8677	1.5824E-01	-1.2687E+01	3.7073	-1.1766E+01	3.4810	7.6112	-1.8922	-4.9164	-3.3460	-3.9332
H_6	2.5244	8.1860	-1.2713E+01	-4.0965	1.6909	-1.1150E+01	1.1961E+01	-7.8119E-01	1.0803E+01	1.3459E+01	-1.1952E+01	-1.2759E+01	-6.2999	-1.1364E+01	1.0457E+01
H_7	-3.4585	5.3230	3.5498	-6.3843	-5.7126	-1.7169E+01	-3.0963	-2.2595	-1.2444E+01	-1.6521	9.1697	2.0774E+01	1.6347E-01	-7.1704	-1.4631E+01
H_8	3.5220	1.9037E+01	1.6138E+01	7.6257	1.2194E+01	-2.5549	3.1557	1.5641	9.9762	-3.0108	1.8631E+01	1.1985E+01	-1.8116E+01	-8.7356E-01	8.2572
H_9	-3.3919	-3.6944	4.9785	-1.5414	-4.2505	-2.3544E+01	9.4960	-1.6682	1.5539E+01	-7.9533	1.1325E+01	-5.5481	-6.6517	-1.5773E+01	-2.0009E+01
H_{10}	-5.1778	7.5022	-6.7599	-5.9923	4.3140E-01	1.1881E+01	7.9026E-01	-6.4471	-9.5937	4.7544	3.4263	7.8940	7.4421	-2.5861	-4.8956
H_{11}	4.4638	2.0964	4.9560	-1.1865E+01	1.5812E+01	9.1558	7.0146	-2.5918	-1.1016E+01	2.8364	3.1024E-01	3.9602	8.5348E-01	-1.3462E+01	1.3896E+01
H_{12}	1.6637	-6.9085	-7.5047	-3.6999	2.4812	2.5035E+01	-5.7688	4.0252E-01	1.3675E+01	4.7700	1.5630	-9.0550E-01	1.4629E+01	-1.9786	3.5421
H_{13}	-6.7184	-5.6508	-9.6076	-4.0765	-4.9834	1.0533	-2.4158	-1.1629	4.8858	-6.8037	-6.6969	-2.2186	4.1965	-1.7959E+01	8.9399
H_{14}	1.1388E+01	-7.3040	1.8608E+01	-2.8694	3.3874	5.8613	-9.2730	-5.9256	5.3312	-9.8300	1.9037	6.0406	9.6680	5.8475	-8.5408
H_{15}	-2.8514	7.5118	-3.9763	-4.6657	1.2262	-1.4289	3.6736E-02	5.7000E-01	9.9911E-01	-9.8896	5.0148	1.3662E+01	-2.6374E-01	-9.7774	1.6352E+01
b	-1.6091E+01	1.2024E+01	-4.3086	-2.6235	-2.8045	-2.8348	-5.3121	-1.8604	1.2489E+01	9.5826	-5.9989	-9.1208	-2.6332	-5.1608	4.3003

Output Layer

$$\gamma = 7.9345808213937(HH_1) + -8.00861024816186(HH_2) + -12.6648569326264(HH_3) + -6.94468978918628(HH_4) + 6.15125194731144(HH_5) + 8.11783296550118(HH_6) + -7.64148667140172(HH_7) + 5.57968496579204(HH_8) + -5.17501462938388(HH_9) + -2.73880764533567(HH_{10}) + 5.24546261065313(HH_{11}) + -5.78243703304079(HH_{12}) + 7.63993164319241(HH_{13}) + 11.3981379655912(HH_{14}) + -4.70937748282011(HH_{15}) + 53.7121092343073$$

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