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Fig. S4. 1HNMR spectra of DES3



Fig. S5. 13CNMR spectra of DES2



	Aliquat336	
Oleic acid	$(CH3-(CH_2)_5-CH_2-CH_2-)_3 N^{+-}CH_3$	
$\begin{array}{c} H \\ H \\ H \\ CH_{2} \cdot C = C - CH_{2} - (CH_{2})_{4} CH_{3} CH_{3} - COOH \\ (46) (40-45) \\ (39) (38) (37) \\ (36) \\ (31-35) \\ (30) \\ (29) \\ (28) \end{array}$	$\begin{array}{c} (9,25,17) & ((4-8), & (3,11,19) & (2,10,18) \\ & (12-16), \\ & (20-24)) \end{array} $	δ (ppm)
C(37)H ₃	C(9,17,25)H ₃	0.93-0.95
C(31-35, 40-45)H ₂	C(4-8,12-16,20-24)H ₂	1.25-1.29
C(30)H ₂	C(3,11, 19)H ₂	1.46-1.60
C(36, 39)H ₂	-	1.96-2.04
C(29)H ₂	-	2.15-2.19
DMSO-d ₆	-	2.50-2.51
-	C(26)H ₃	2.94
-	C(2,10,18)H ₂	3.17-3.38
С(37-38)Н	-	5.27-5.38
С(28)ООН		11.78-
	-	12.05

Table S1. Peak assignments of the ¹H-NMR spectrum of DES2.

	Aliquat336	
Ibuprofen	$(CH3-(CH_2)_5-CH_2-CH_2-)_3 N^{+-} CH_3$	
CH3-CH(CH ₃)-CH ₂ -C ₆ H ₄ -CH(CH ₃)-COOH (38) (36,37) (35) (31-34) (29,30) (28)	$\begin{array}{c} (9,25,17) & ((4-8), & (3,11,19) & (2,10,18) \\ & (12-16), \\ & (20-24)) \end{array} $	δ (ppm)
C(38)H ₃	C(9,17,25)H ₃	0.85-0.89
C(30)H ₂	C(4-8,12-16,20-24)H ₂	1.26-1.35
-	C(3,11, 19)H ₂	1.60
C(36)H ₂	-	1.78-1.85
C(35)H ₂	-	2.40-2.42
DMSO-d ₆	-	2.50-2.51
-	C(26)H ₃	2.94
-	C(2,10,18)H ₂	3.17-3.38
С(29)Н	-	3.60-3.66
С(31-34)Н	-	7.09-7.20
С(28)ООН	-	12.48-12.78

Table S2. Peak assignments of the ¹H-NMR spectrum of DES3.