

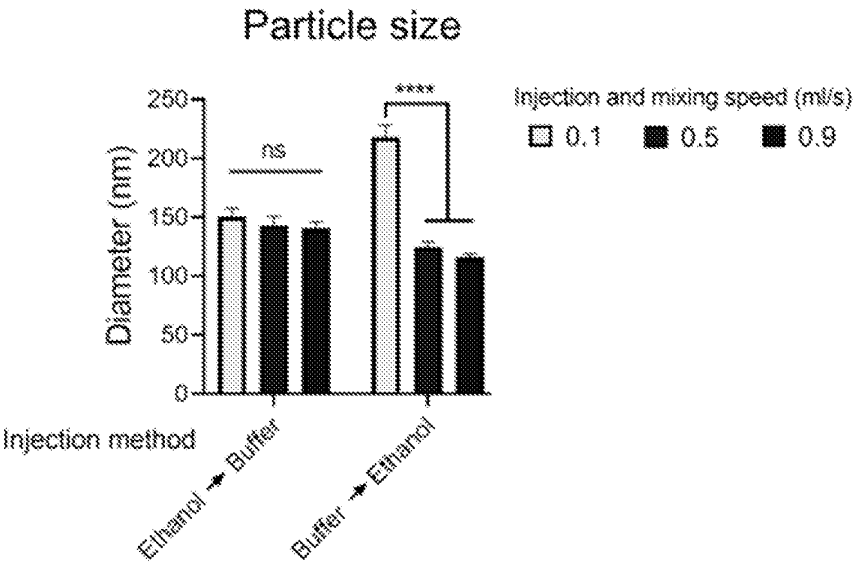


FIG. 1A

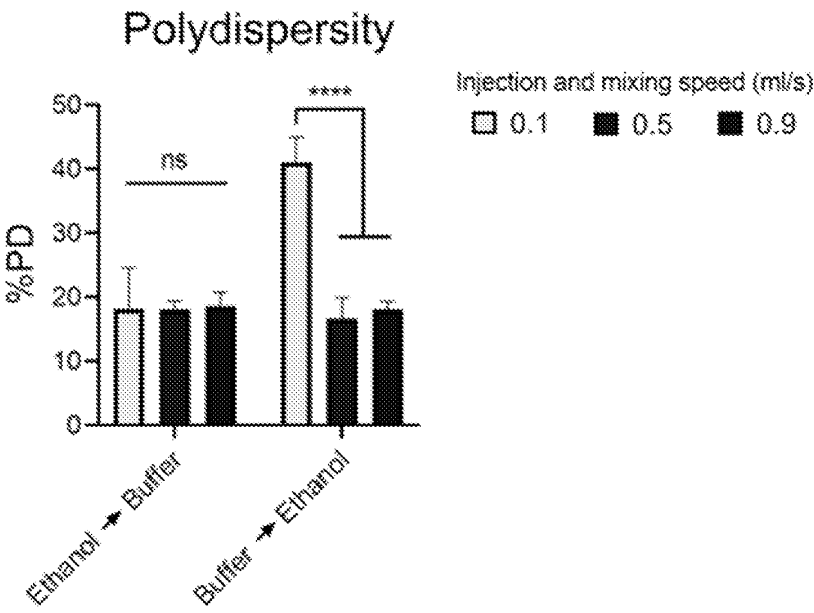


FIG. 1B

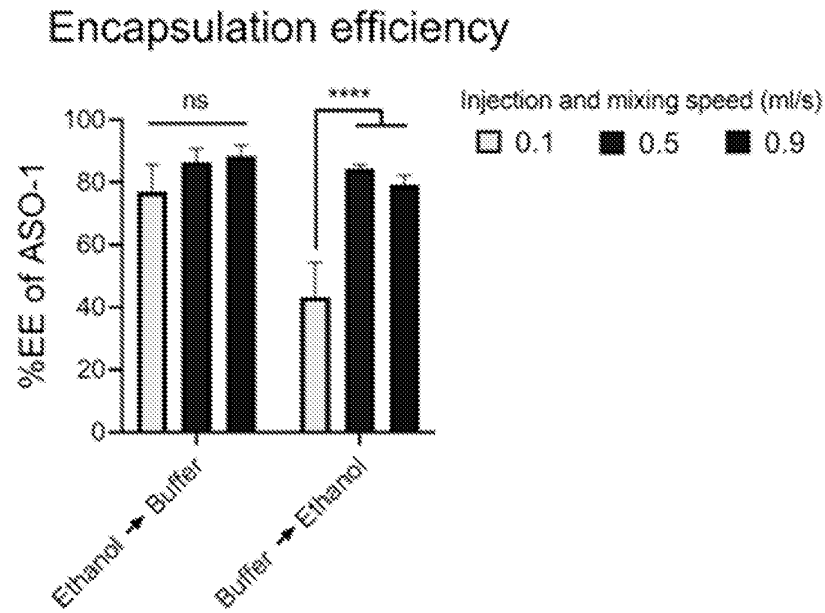


FIG. 1C

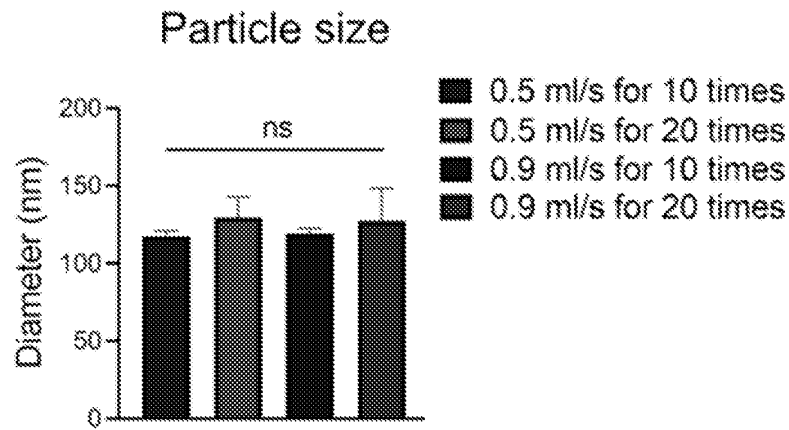


FIG. 1D

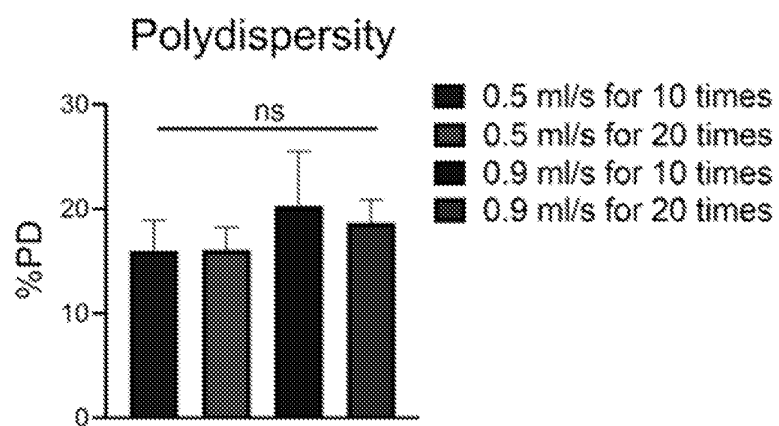


FIG. 1E

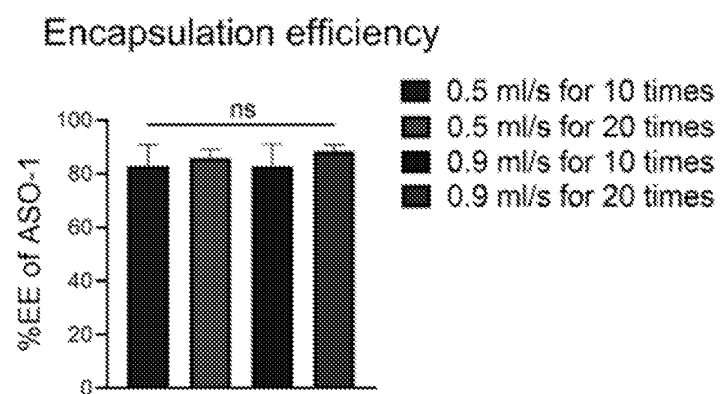


FIG. 1F

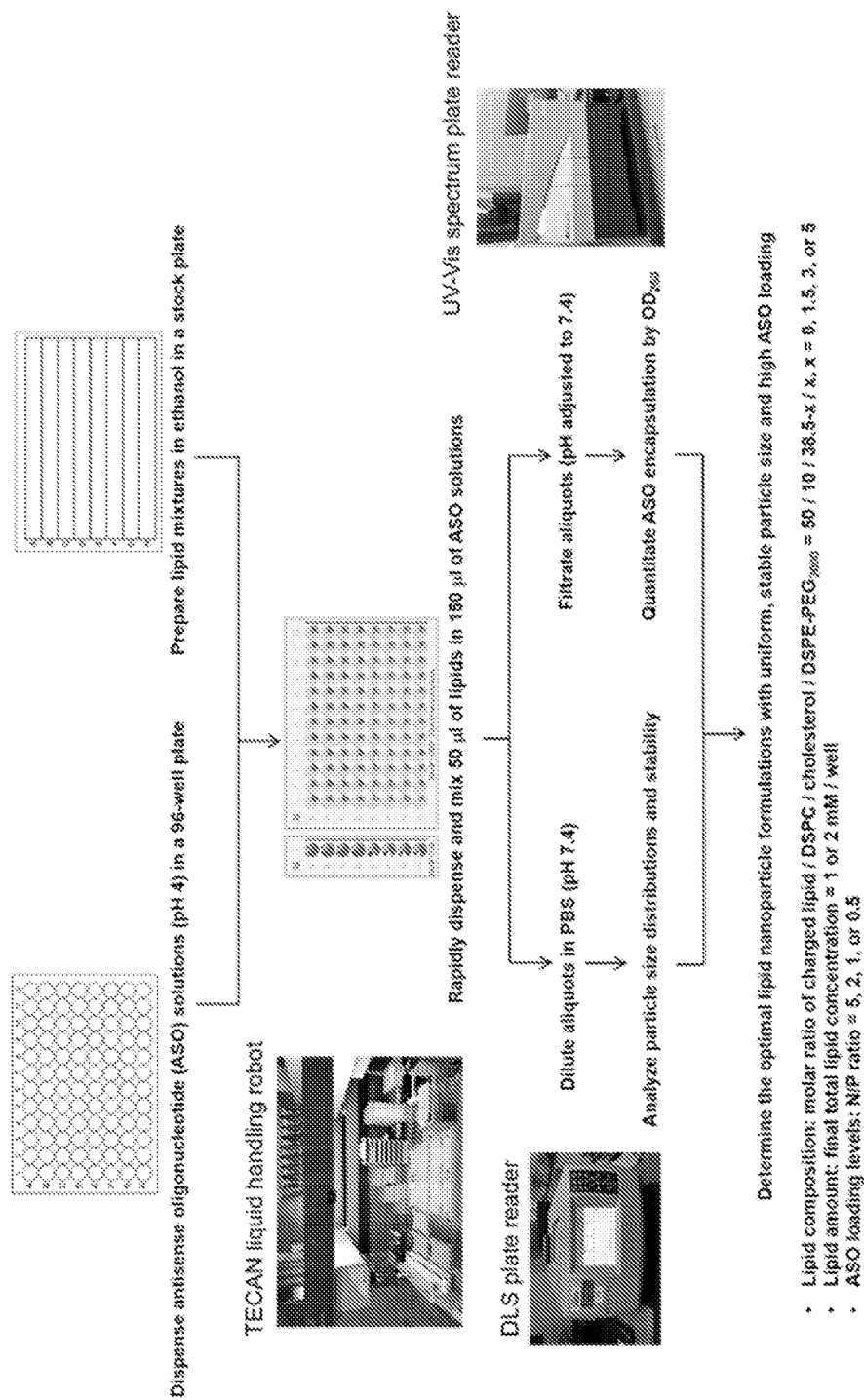
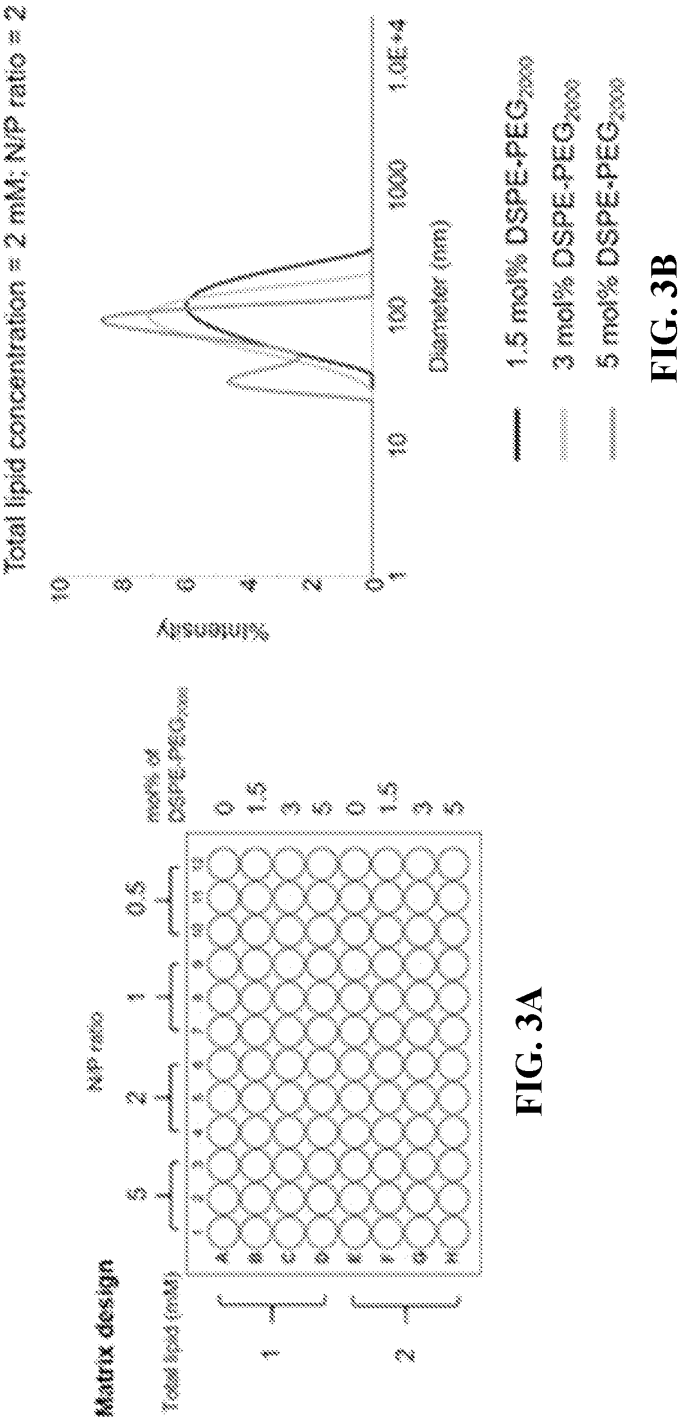


FIG. 2



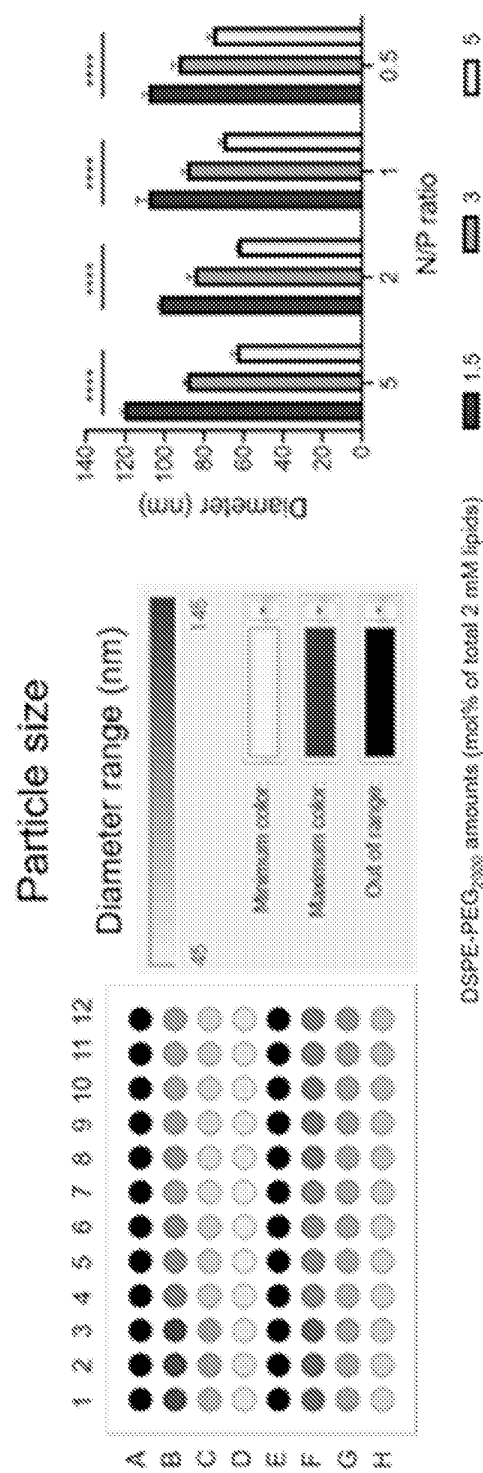
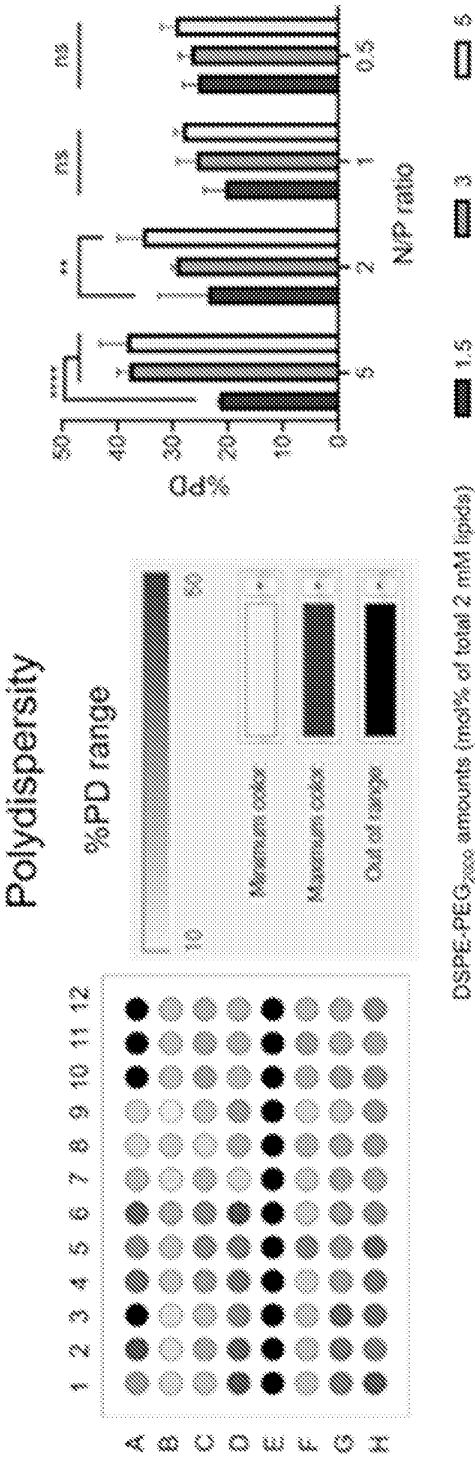


FIG. 3C



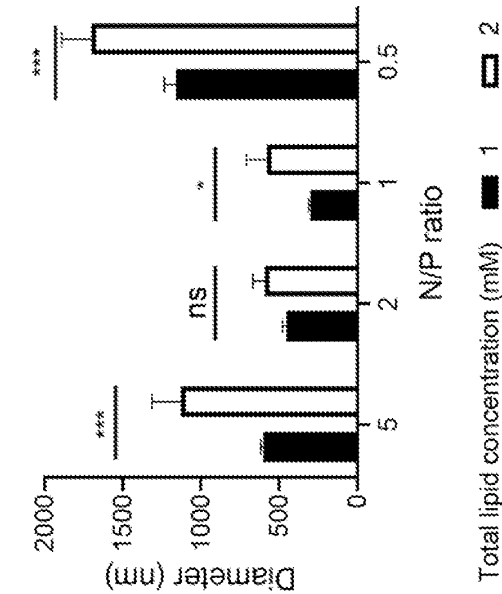


FIG. 4

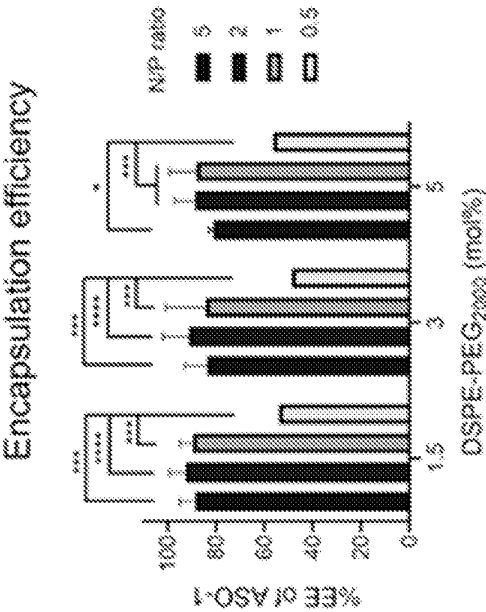


FIG. 3E

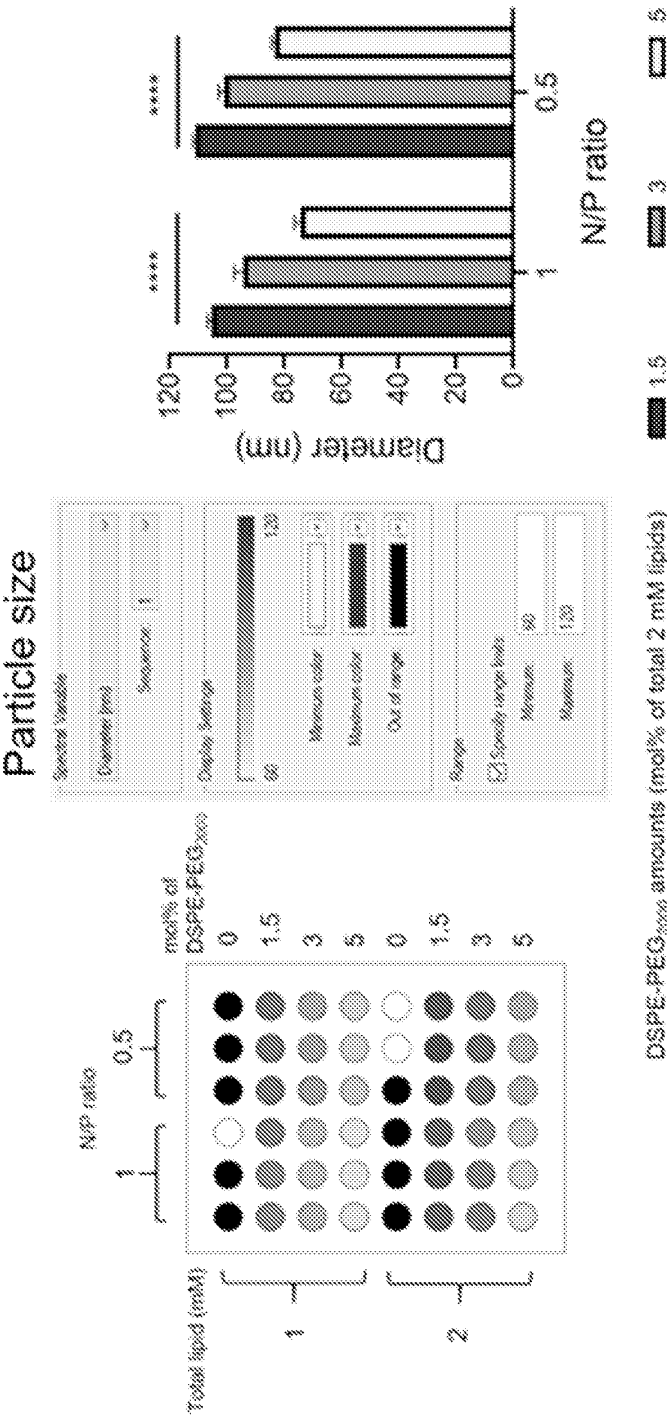


FIG. 5A

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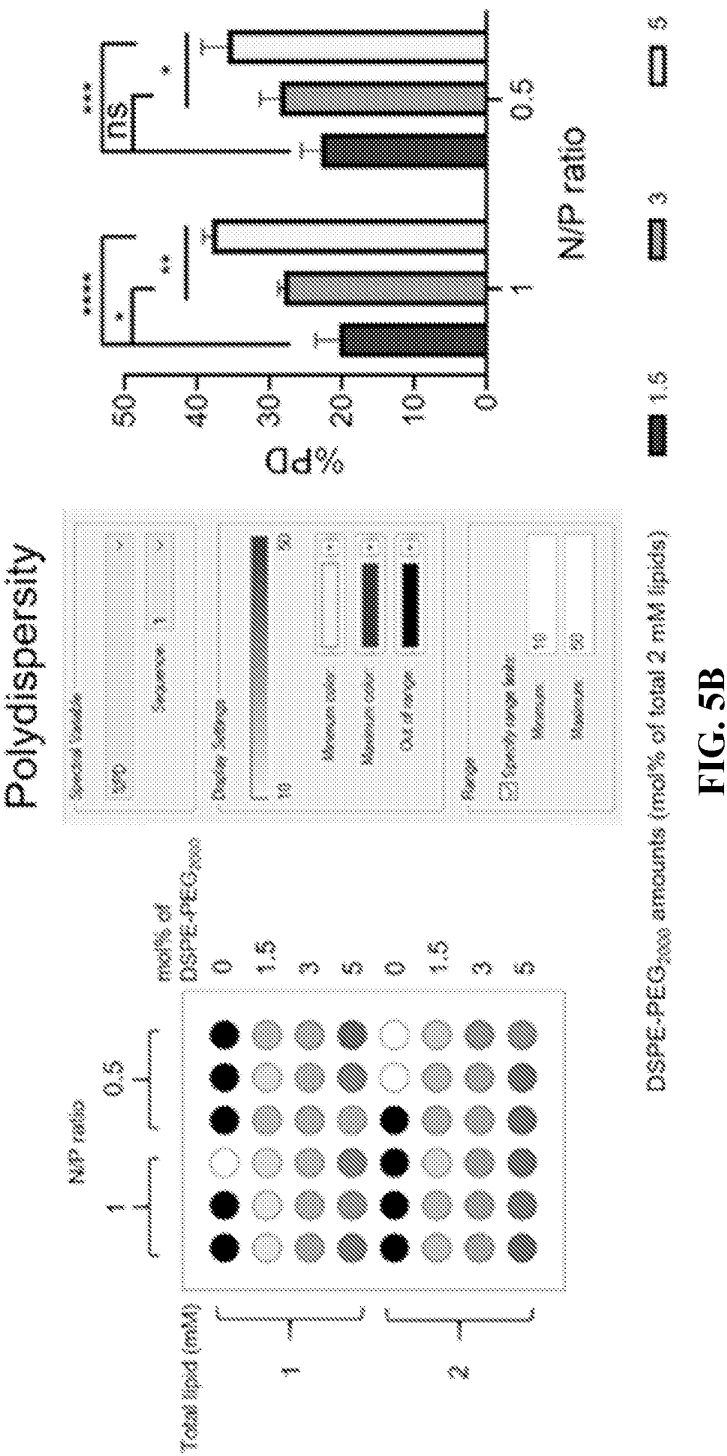


FIG. 5B

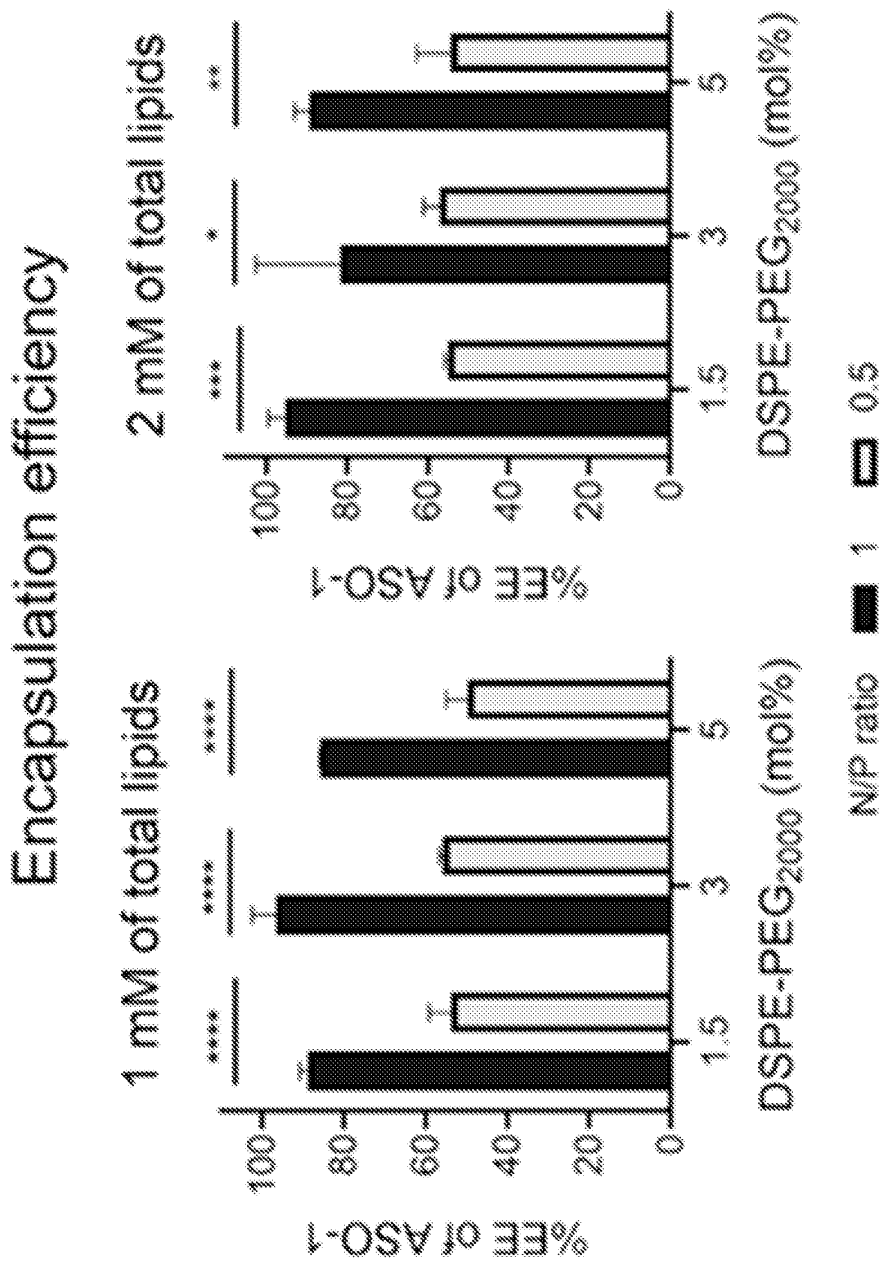


FIG. 5C

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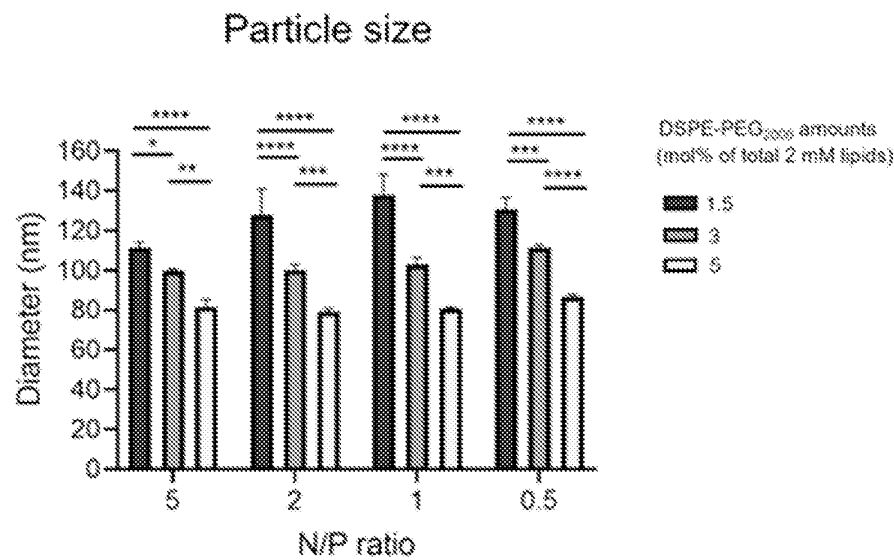


FIG. 6A

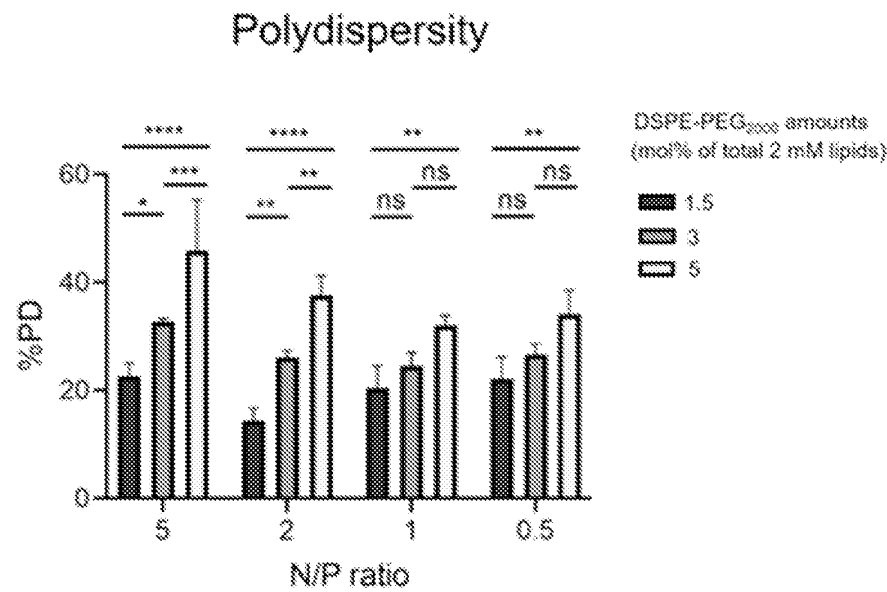


FIG. 6B

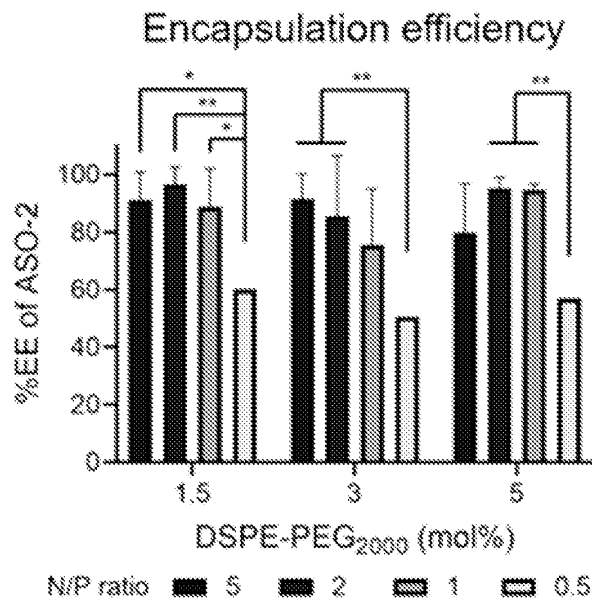


FIG. 6C

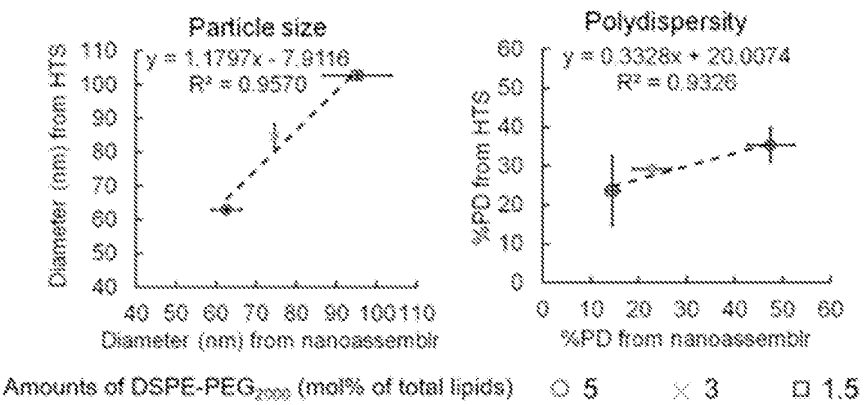


FIG. 7A

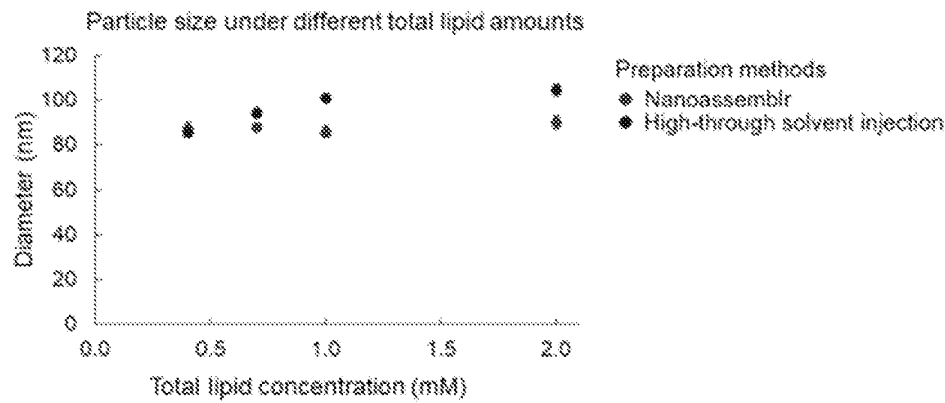


FIG. 7B

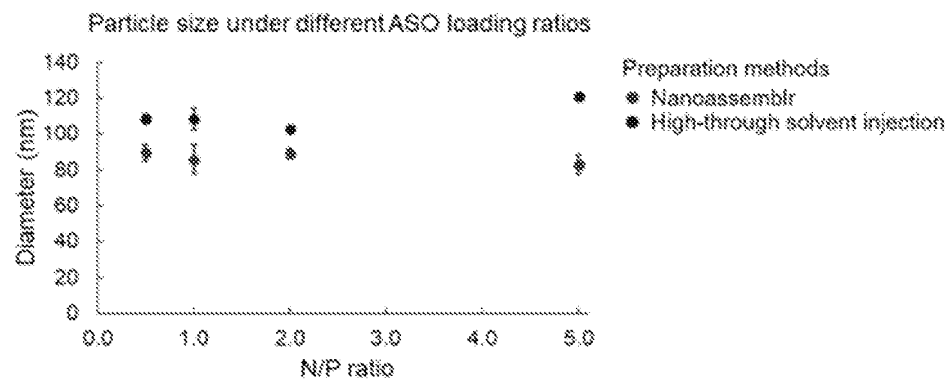


FIG. 7C

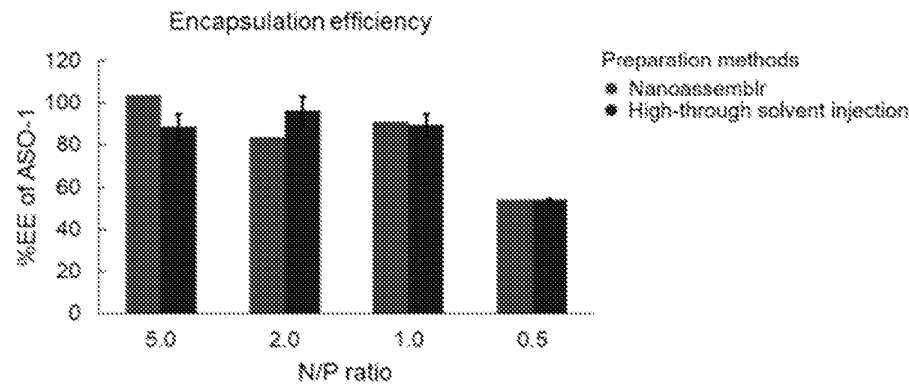
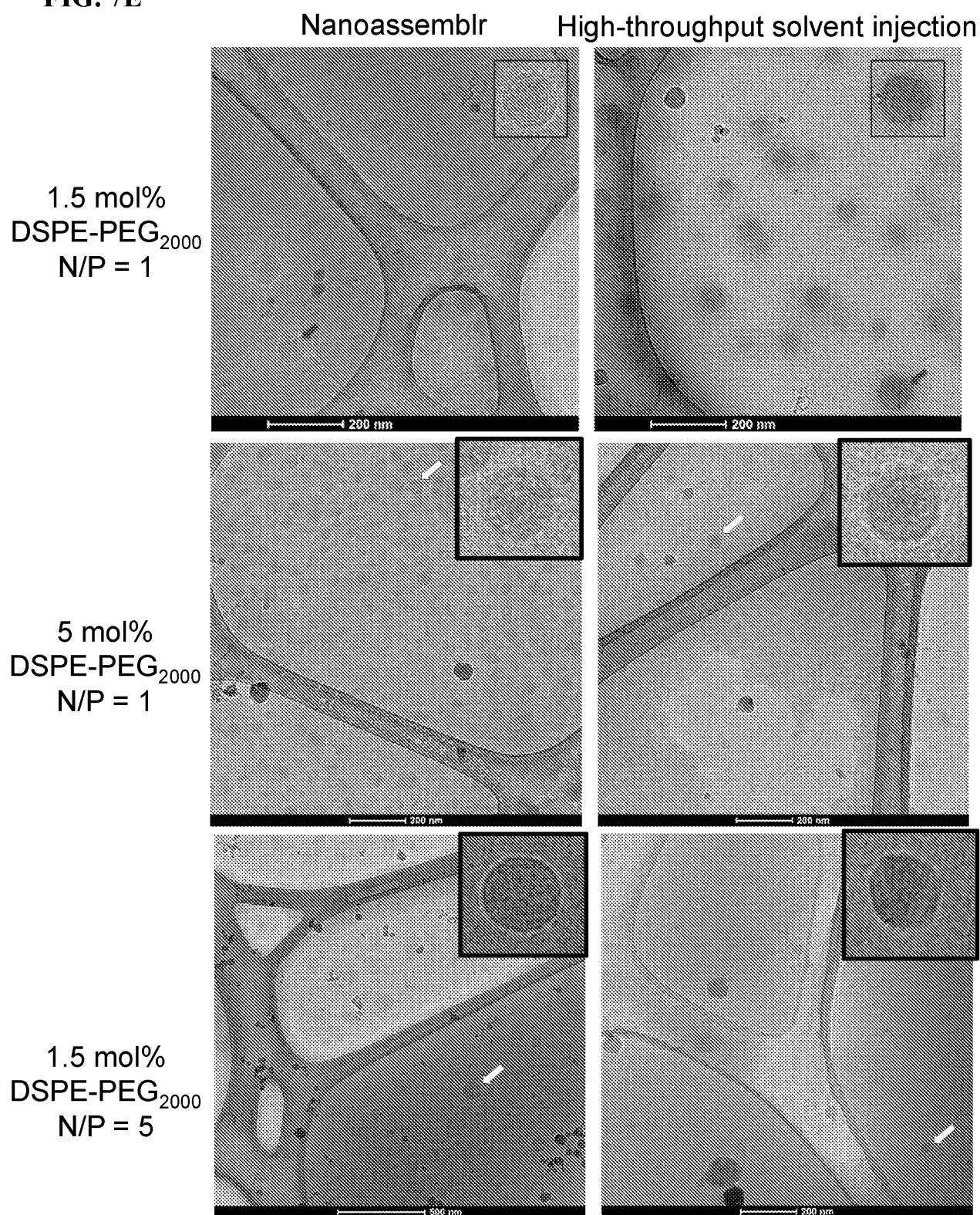


FIG. 7D

FIG. 7E

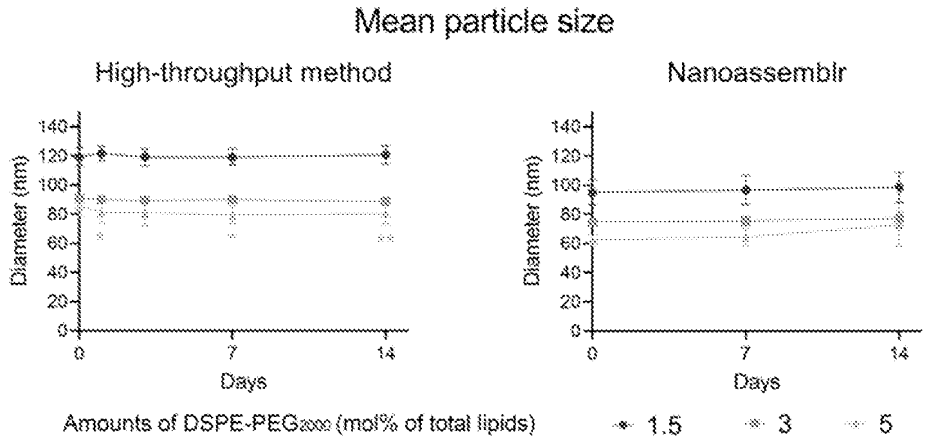


FIG. 8A

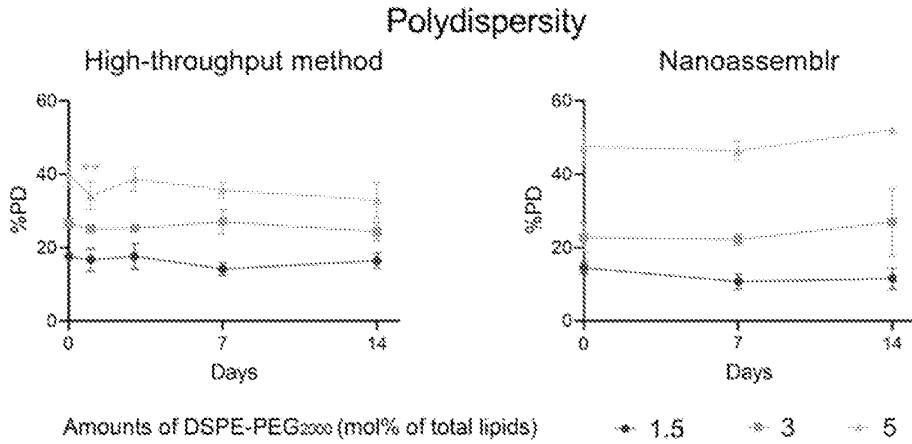


FIG. 8B

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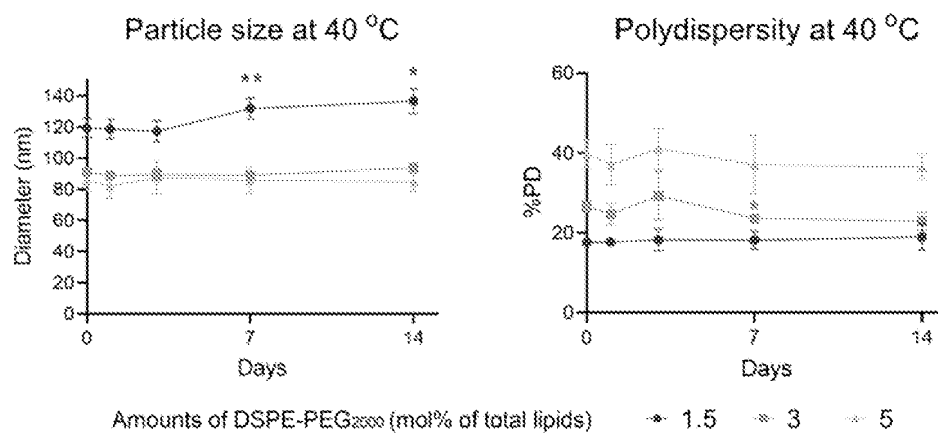


FIG. 9

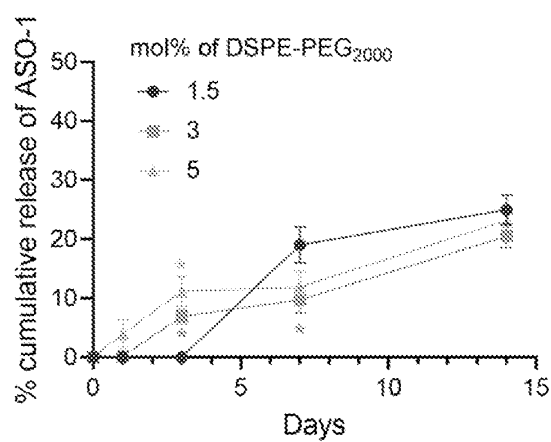
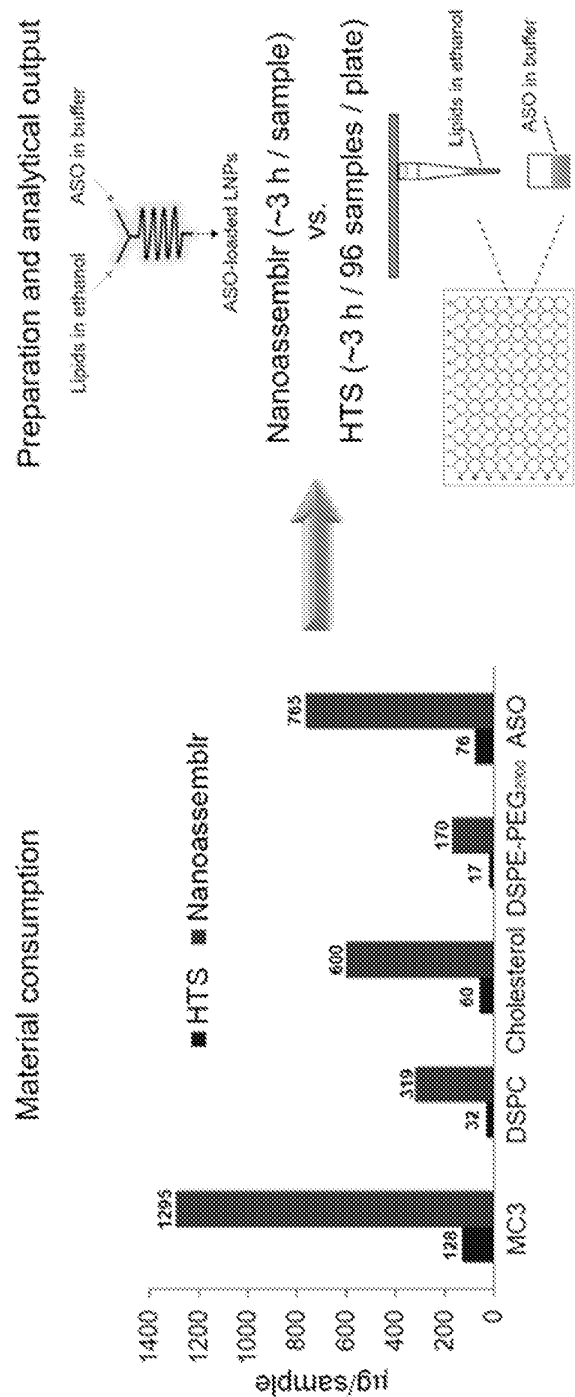
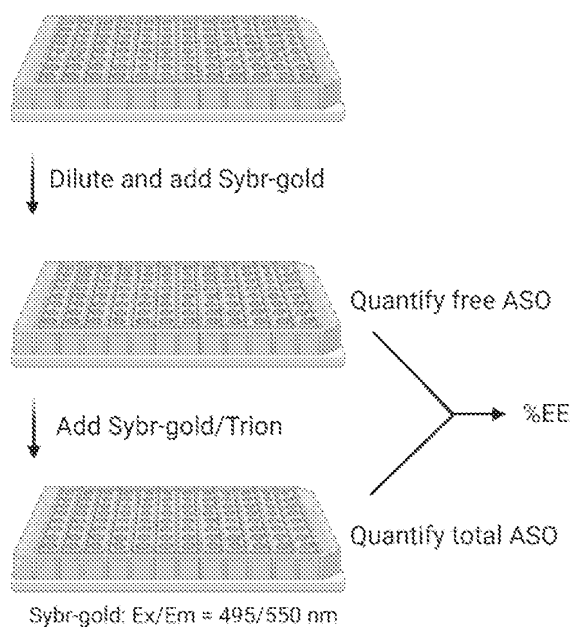
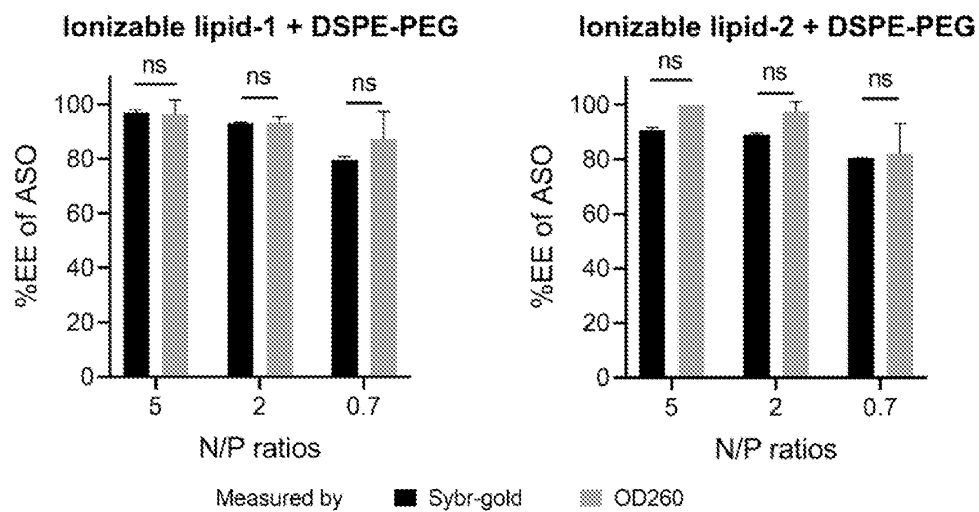


FIG. 10



**FIG. 12A****FIG. 12B**

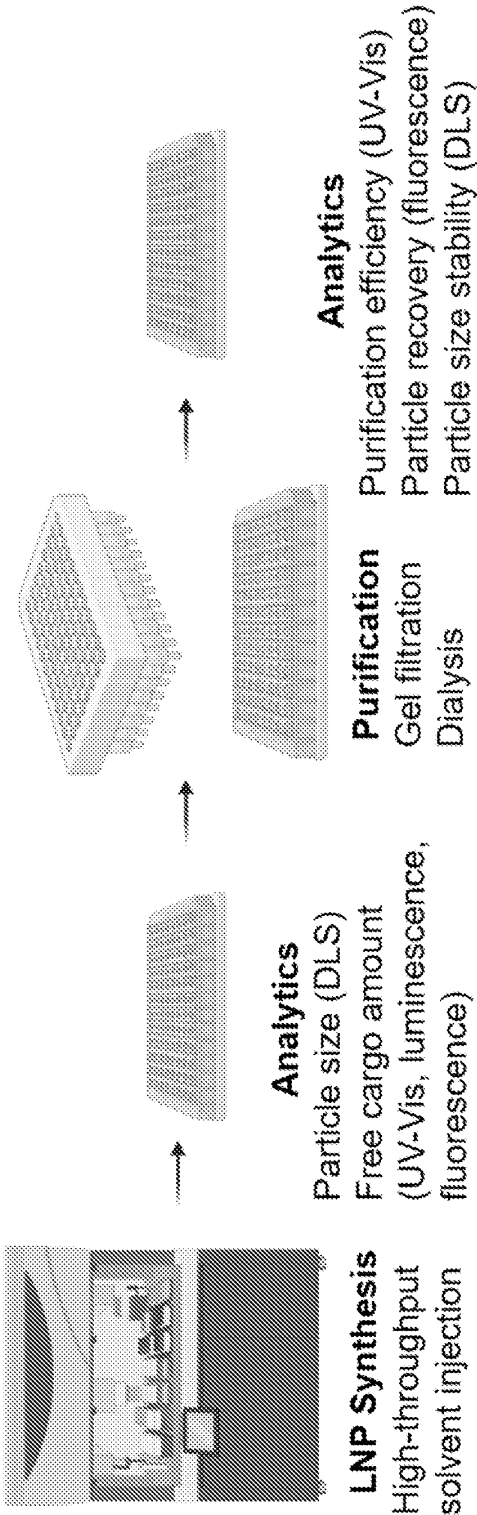


FIG. 13A

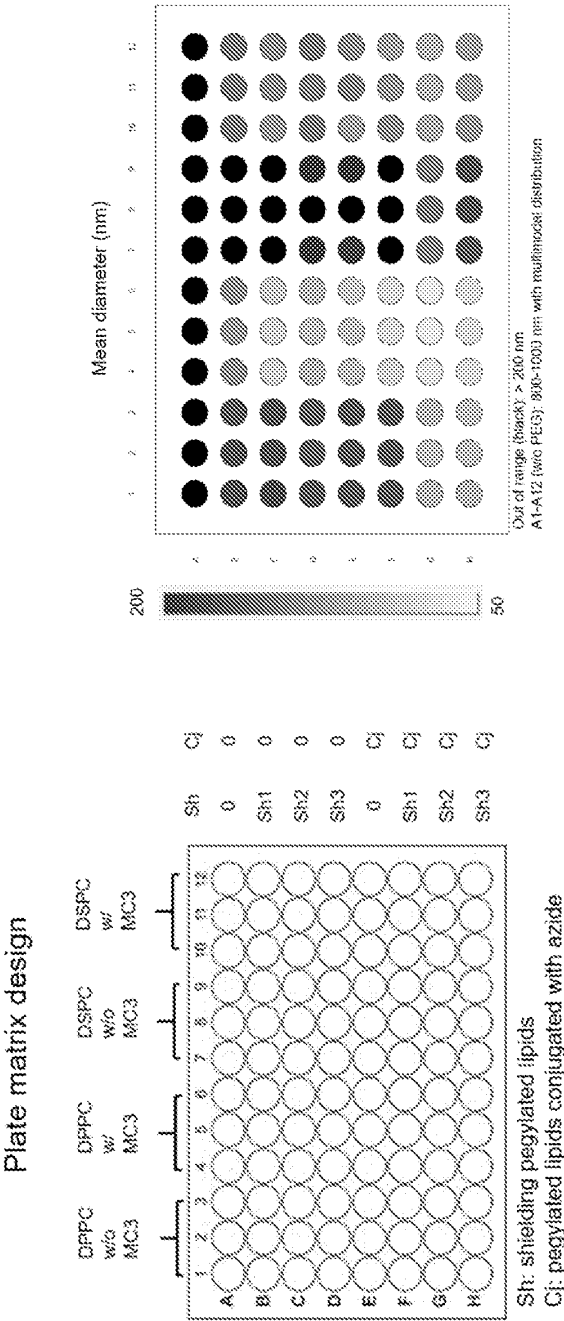


FIG. 13C

FIG. 13B

Free peptide concentration before purification													
Free HiBIT conc. (mg/ml)	1	2	3	4	5	6	7	8	9	10	11	12	13
A	1.35	1.42	1.43	1.43	1.41	1.41	1.46	1.42	1.47	1.48	1.40	1.48	1.48
B	1.07	1.39	1.36	1.34	1.34	1.33	1.31	1.31	1.29	1.34	1.27	1.76	1.76
C	1.51	1.33	1.36	1.41	1.34	1.30	1.34	1.36	1.23	1.42	1.40	1.35	1.35
D	1.13	1.31	1.36	1.37	1.32	1.30	1.32	1.30	1.29	1.31	1.28	1.55	1.55
E	1.60	1.25	1.34	1.38	1.38	1.32	1.30	1.35	1.31	1.33	1.32	1.26	1.26
F	1.09	1.37	1.36	1.48	1.41	1.39	1.32	1.35	1.34	1.39	1.30	1.74	1.74
G	1.88	1.38	1.37	1.33	1.39	1.52	1.32	1.32	1.42	1.36	1.39	1.34	1.34
H	1.40	1.37	1.45	1.40	1.42	1.37	1.40	1.38	1.50	1.45	1.36	1.67	1.67

FIG. 13D

Free peptide concentration after gel filtration													
HiBIT conc. (mg/ml) after SEC	1	2	3	4	5	6	7	8	9	10	11	12	13
A	0.027	0.000	0.030	0.027	0.027	0.032	0.034	0.026	0.000	0.027	0.032	0.028	0.030
B	0.033	0.031	0.033	0.043	0.043	0.030	0.037	0.056	0.036	0.049	0.070	0.028	0.032
C	0.035	0.026	0.029	0.028	0.028	0.026	0.029	0.036	0.037	0.033	0.035	0.036	0.036
D	0.028	0.029	0.000	0.000	0.000	0.026	0.028	0.032	0.043	0.028	0.030	0.030	0.032
E	0.000	0.037	0.027	0.027	0.027	0.064	0.029	0.041	0.062	0.077	0.036	0.048	0.035
F	0.032	0.028	0.032	0.032	0.032	0.027	0.036	0.034	0.045	0.039	0.030	0.032	0.135
G	0.034	0.032	0.030	0.027	0.027	0.029	0.040	0.033	0.030	0.039	0.029	0.031	0.047
H	0.036	0.037	0.035	0.034	0.032	0.032	0.033	0.033	0.031	0.000	0.038	0.034	0.029

FIG. 13E

Free peptide concentration after dialysis

	1	2	3	4	5	6	7	8	9	10	11	12
H81T conc. (mg/ml) after dialysis	0.093	0.095	0.140	0.113	0.101	0.115	0.121	0.101	0.121	0.121	0.112	0.116
	0.106	0.104	0.087	0.100	0.117	0.102	0.104	0.094	0.112	0.080	0.098	0.100
	0.099	0.070	0.063	0.108	0.105	0.111		0.102	0.075	0.094	0.085	0.105
	0.095	0.101	0.059	0.102	0.094	0.110	0.108	0.100	0.104	0.113	0.054	0.103
	0.081	0.106	0.098	0.104	0.106	0.110	0.115	0.103	0.103	0.107	0.099	0.103
	0.064	0.083	0.095	0.109	0.100	0.101	0.102	0.091	0.104	0.099	0.093	0.104
			0.118	0.091	0.107	0.118	0.105	0.107	0.111	0.117	0.121	0.119
		0.106	0.100	0.116	0.114	0.124		0.104	0.112	0.116	0.109	0.111

FIG. 13F

Particle recovery rate after gel filtration

	1	2	3	4	5	6	7	8	9	10	11	12
% Particle recovery after SEC	72.3	70.9	62.6	47.8	53.2	50.9	41.3	47.4	19.6	42.8	46.1	39.5
A	128.4	106.0	112.2	108.2	112.8	116.1	83.3	93.4	94.1	95.2	92.8	106.2
B	117.3	108.8	97.5	113.4	122.6	111.3	97.1	92.7	98.4	120.4	110.3	109.7
C	107.2	85.8	53.5	89.7	80.7	90.4	81.4	92.9	86.0	106.6	78.7	99.5
D	92.8	102.1	48.7	59.5	108.5	101.2	93.0	83.1	89.7	109.7	132.0	84.3
E	101.9	97.0	104.1	96.6	105.5	109.0	86.6	84.9	87.5	90.5	93.3	108.2
F	115.1	117.8	106.1	120.4	135.1	112.6	125.8	98.3	111.3	99.9	120.5	98.9
G	117.3	93.0	89.4	126.7	82.6	98.6	76.0	93.6	76.7	105.2	99.8	99.8

FIG. 13G

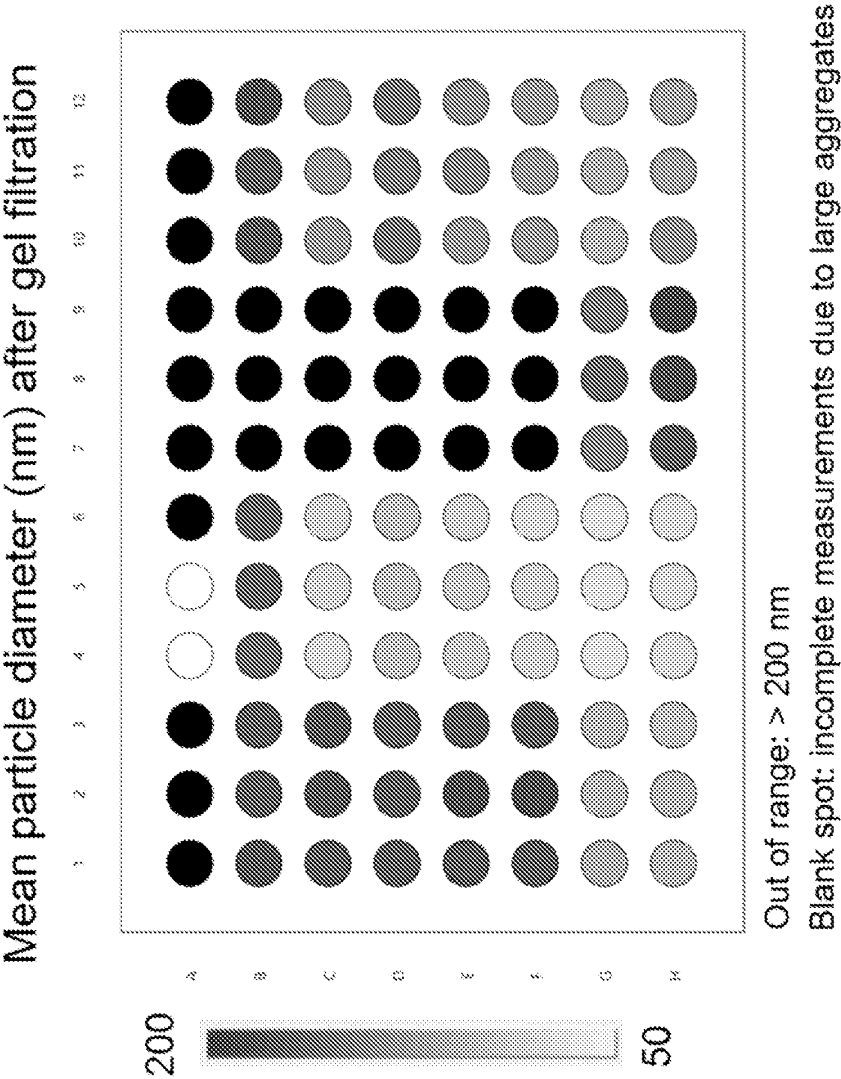


FIG. 13H

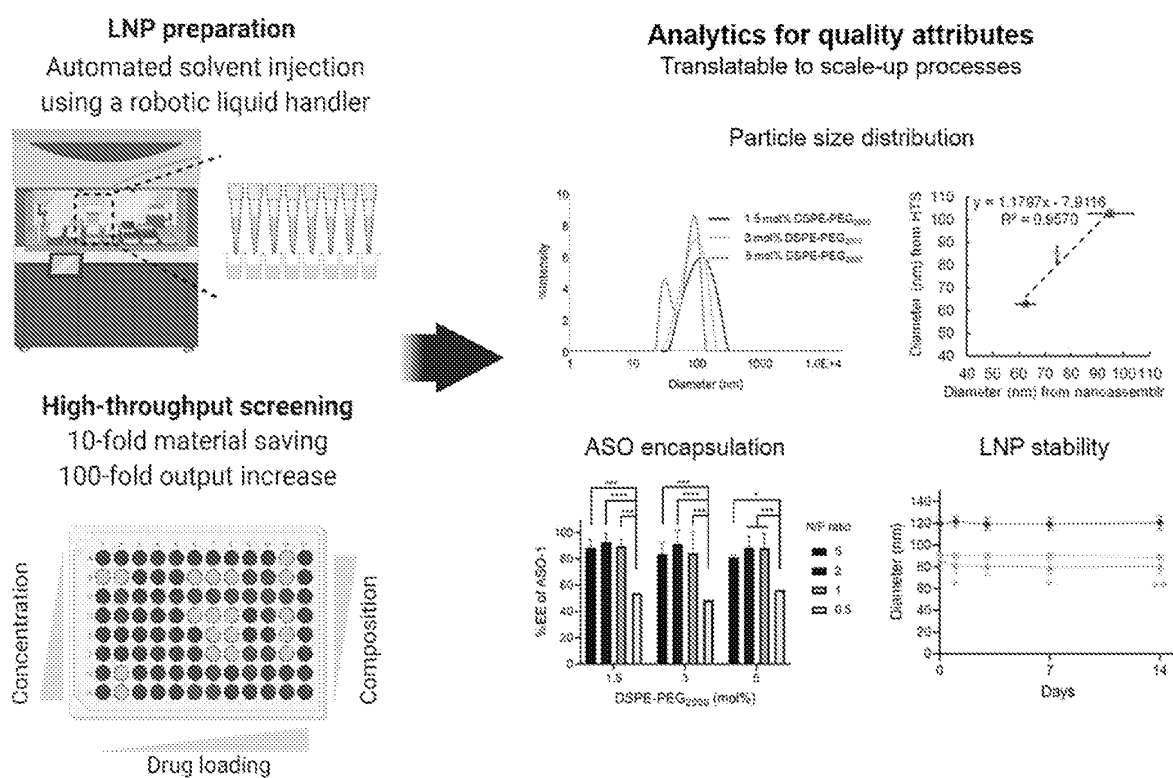


FIG. 14

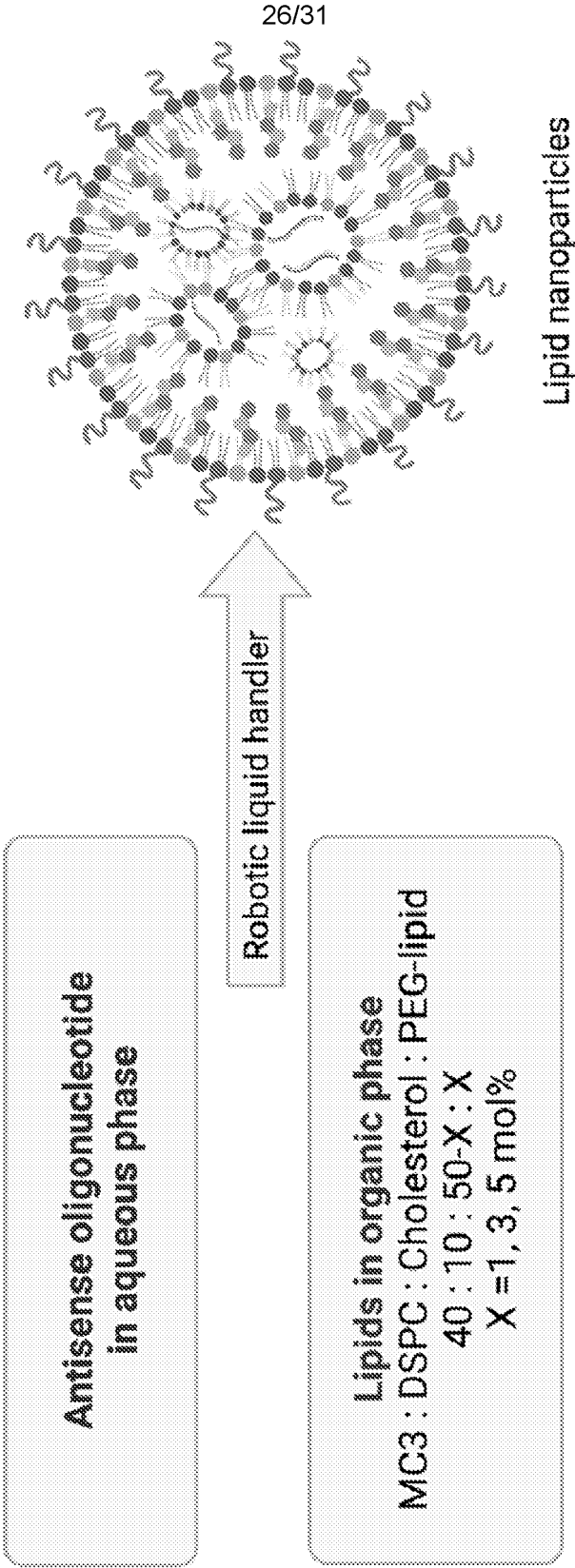


FIG. 15A

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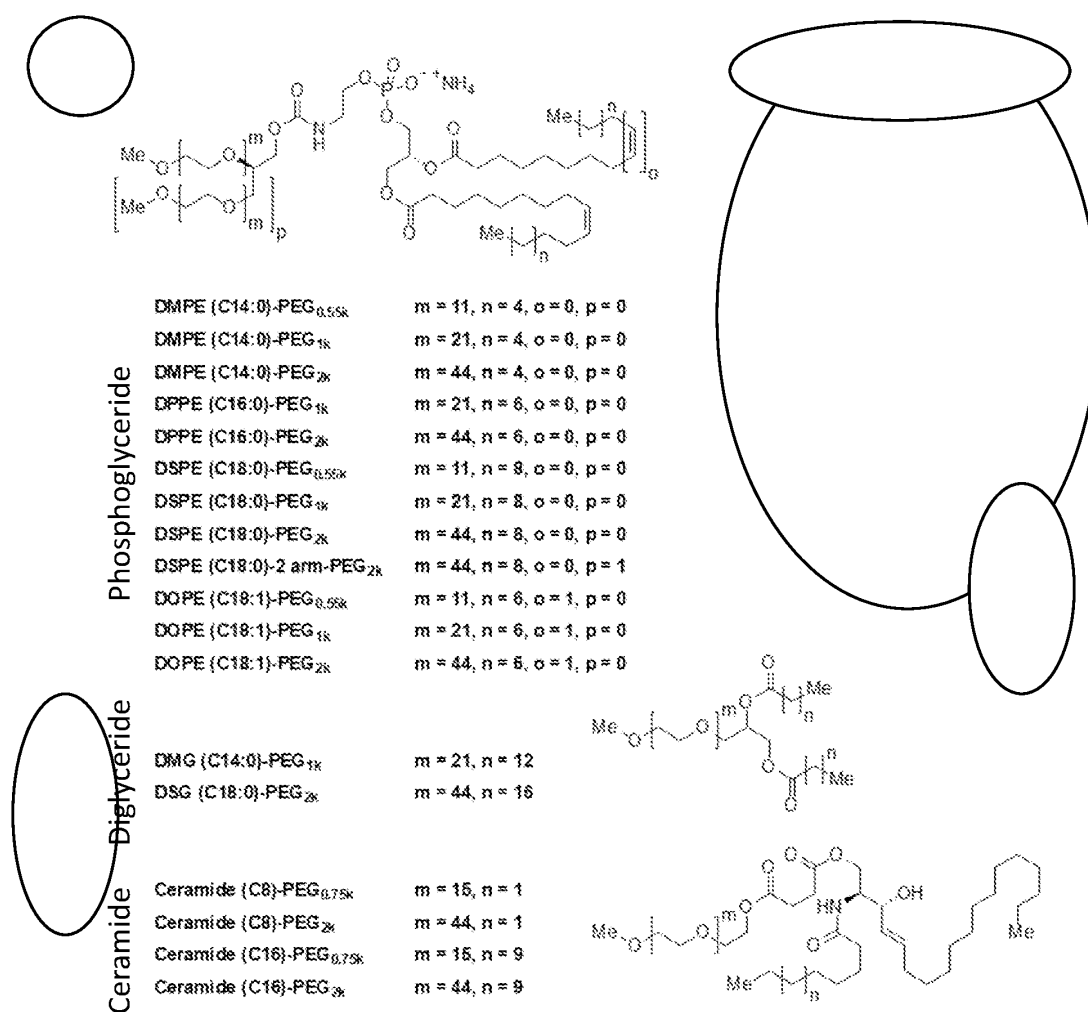
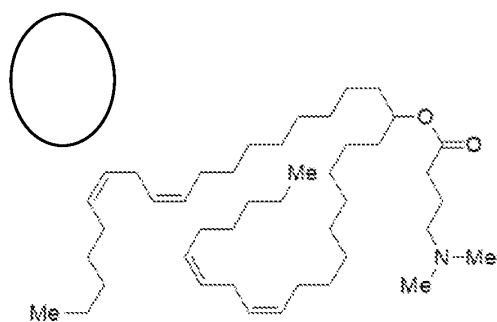


FIG. 15B

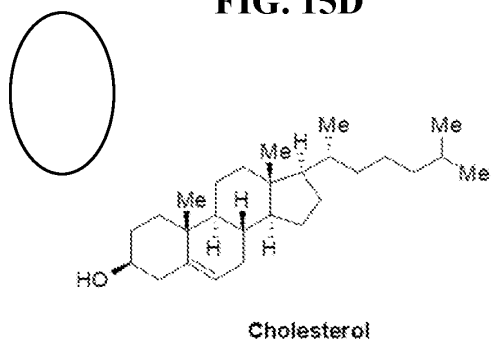
FIG. 15C



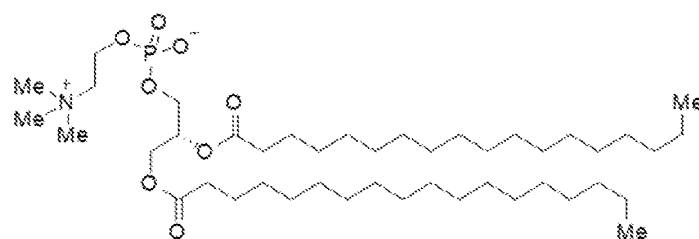
MC3 (or DLin-MC3-DMA)

Dilinoleylmethyl-4-dimethylaminobutyrate

FIG. 15D



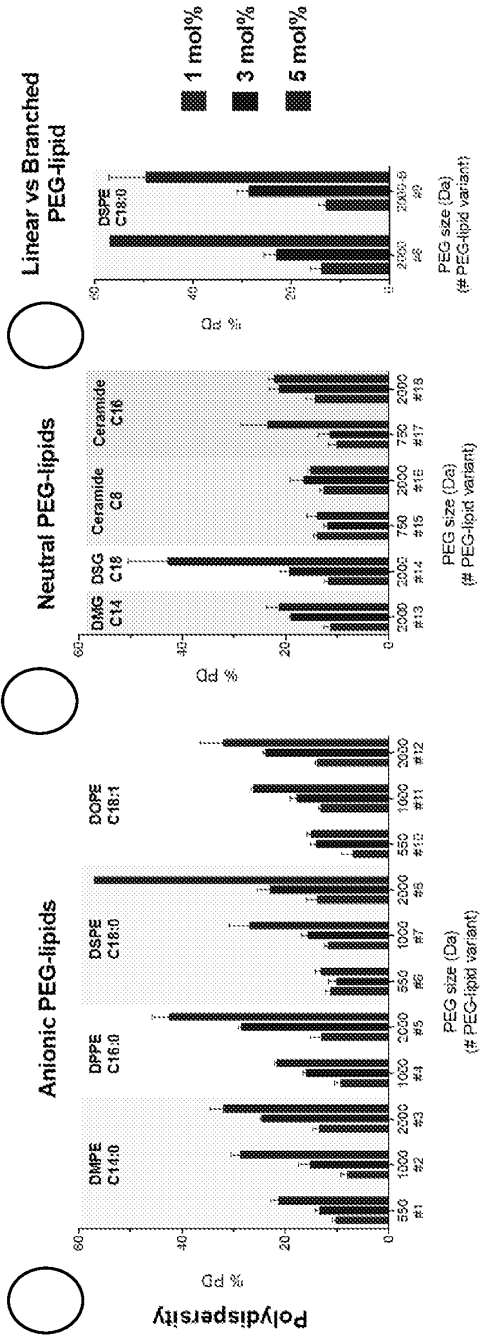
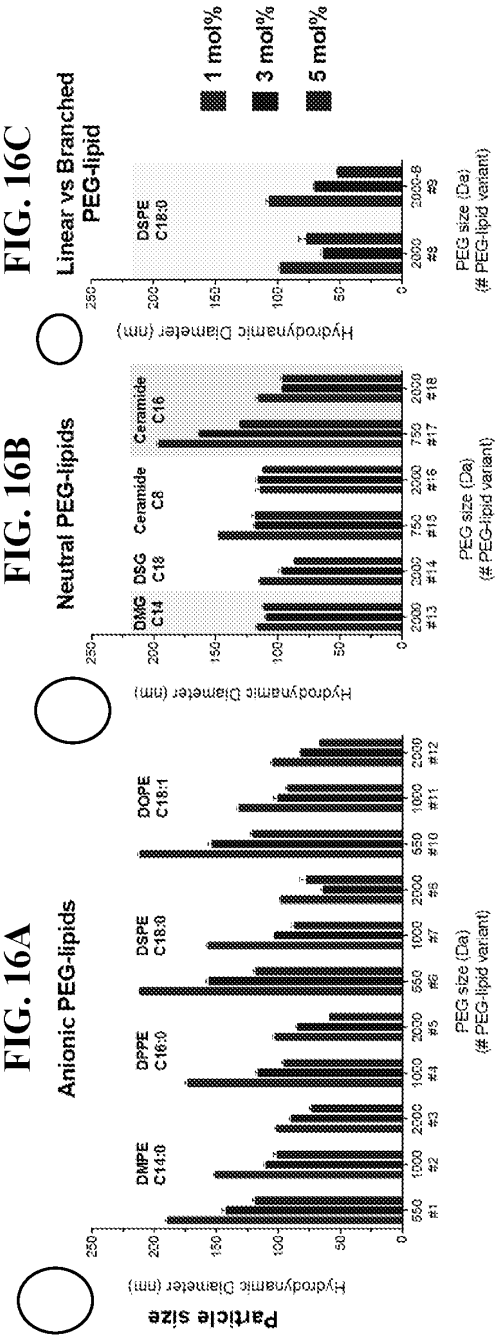
Cholesterol

3 β -Hydroxy-5-cholestene, 5-Choisten-3 β -ol

DSPC

1,2-Distearoyl-*sn*-glycero-3-phosphocholine

FIG. 15E



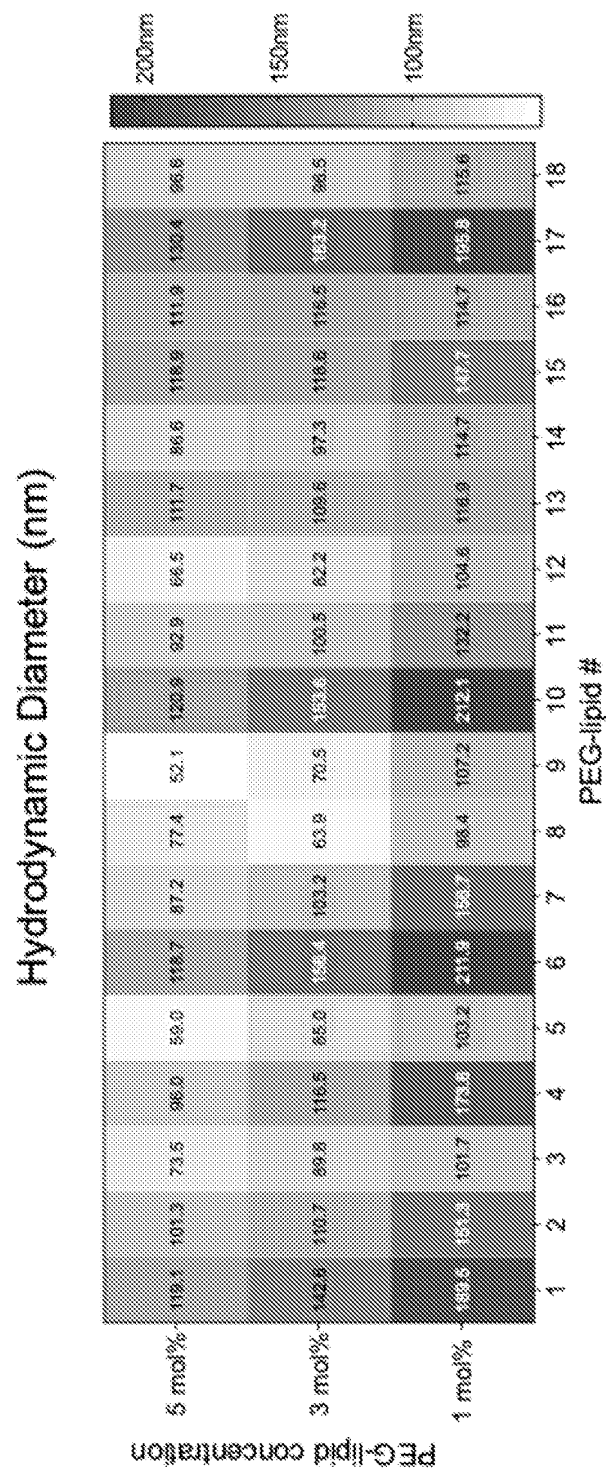


FIG. 17

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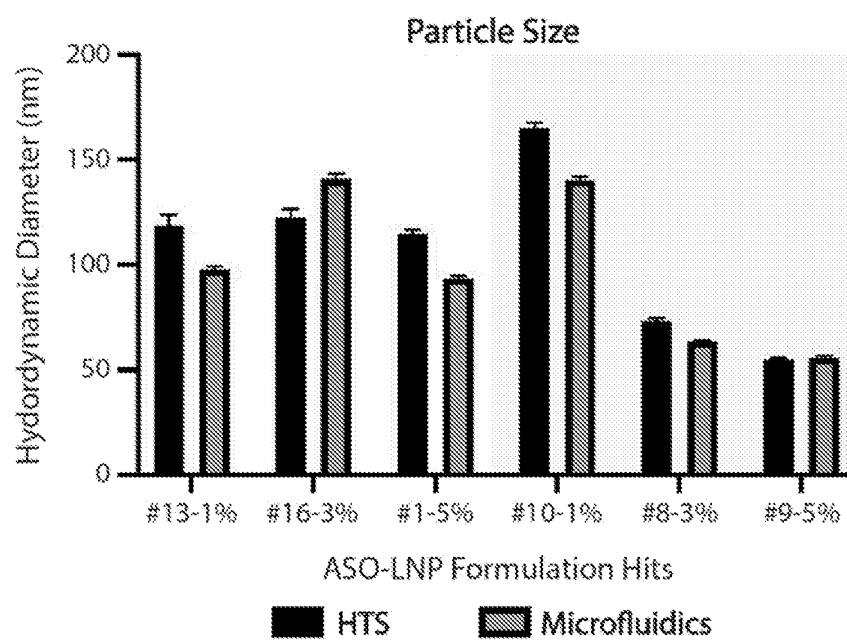


FIG. 18