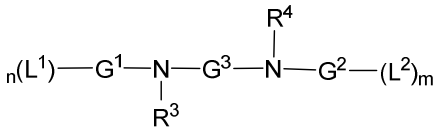
WHAT IS CLAIMED IS:

1. A compound of Formula (I):



(I),

or a pharmaceutically acceptable salt or stereoisomer thereof, wherein:

G^1 and G^2 are each independently a bond, C_2-C_{12} alkylene, or C_2-C_{12} alkenylene, wherein one or more -CH_2- in G^1 and G^2 is optionally replaced by -O-;

each L^1 is independently –OC(=O)R^1, -C(=O)OR^1, -OR^1, -NR^aC(=O)R^1, or -C(=O)N$R^b$$R^c$;

each L^2 is independently –OC(=O)R^2, -C(=O)OR^2, -OR^2, -NR^dC(=O)R^2, or -C(=O)N$R^e$$R^f$;

R^1 and R^2 are each independently C_6-C_{24} alkyl or C_6-C_{24} alkenyl;

R^a, R^b, R^d, and R^e are each independently H, C_1-C_{24} alkyl, or C_2-C_{24} alkenyl;

R^c and R^f are each independently C_1-C_{24} alkyl or C_2-C_{24} alkenyl;

G^3 is C_2-C_{12} alkylene or C_2-C_{12} alkenylene;

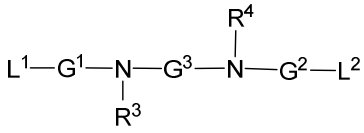
R^3 is C_3-C_8 cycloalkyl, optionally substituted with one or more C_1-C_6 alkyl, halo, C_1-C_6 haloalkyl, or hydroxyl;

R^4 is C_1-C_{12} alkyl optionally substituted with one or more hydroxyl;

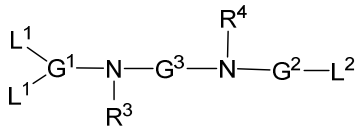
n is 1 or 2;

m is 1 or 2.

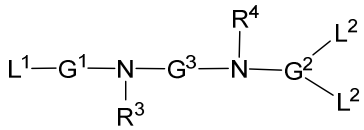
2. The compound of claim 1, which is a compound of Formula (II-A), (II-B), (II-C), or (II-D):



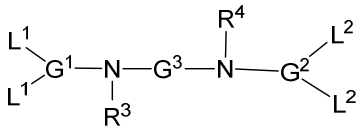
(II-A),



(II-B),



(II-C), or

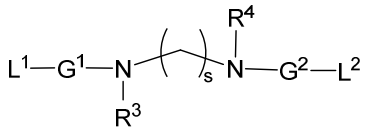


(II-D),

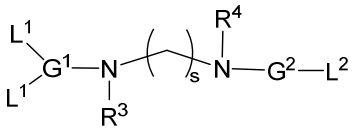
or a pharmaceutically acceptable salt or stereoisomer thereof.

3. The compound of claim 1,

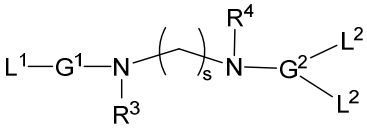
which is a compound of Formula (III-A), (III-B), (III-C), or (III-D):



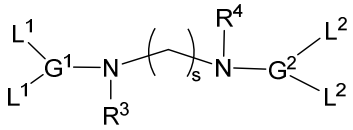
(III-A),



(III-B),



(III-C), or

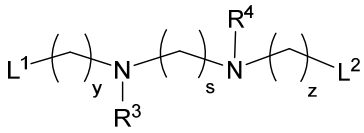


(III-D),

wherein s is an integer from 2 to 12,

or a pharmaceutically acceptable salt or stereoisomer thereof.

4. The compound of claim 1, which is a compound of Formula (IV):



(IV),

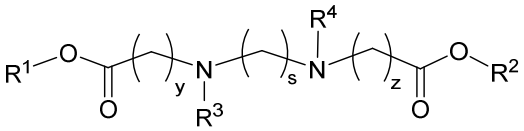
wherein s is an integer from 2 to 12,

y is an integer from 2 to 12; and

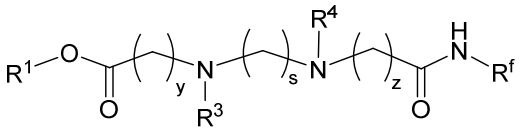
z is an integer from 2 to 12;

or a pharmaceutically acceptable salt or stereoisomer thereof.

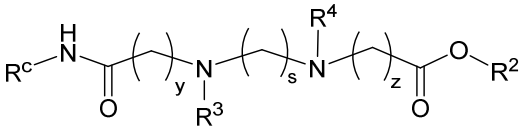
5. The compound of claim 4, which is a compound of Formula (IV-A), (IV-B), (IV-C), (IV-D), (IV-E), (IV-F), (IV-G), or (IV-H):



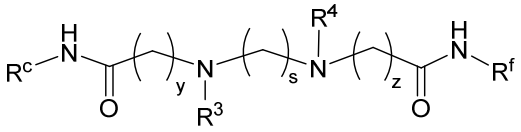
(IV-A),



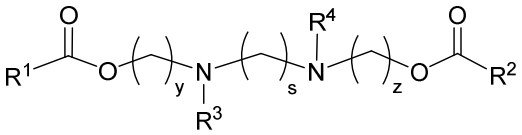
(IV-B),



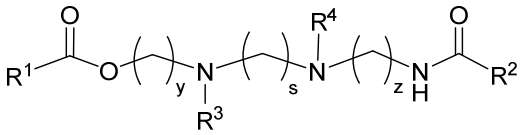
(IV-C),



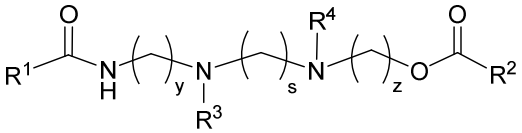
(IV-D),



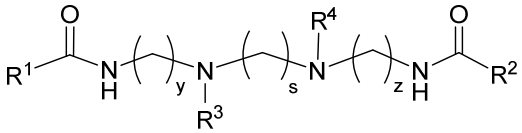
(IV-E),



(IV-F),



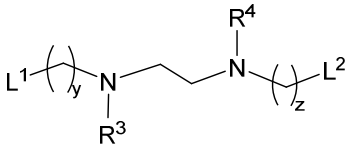
(IV-G), or



(IV-H),

or a pharmaceutically acceptable salt or stereoisomer thereof.

6. The compound of claim 1, which is a compound of Formula (V):



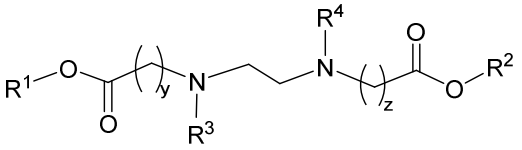
(V),

wherein y is an integer from 2 to 12; and

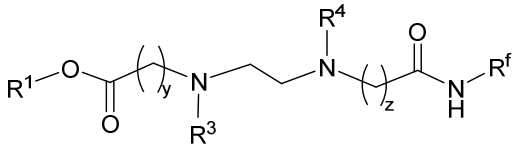
z is an integer from 2 to 12;

or a pharmaceutically acceptable salt or stereoisomer thereof.

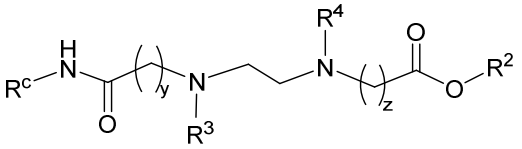
7. The compound of claim 6, which is a compound of Formula (V-A), (V-B), (V-C), (V-D), (V-E), (V-F), (V-G), or (V-H):



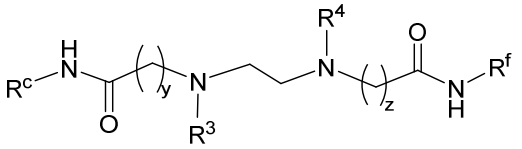
(V-A),



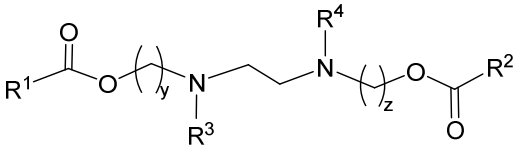
(V-B),



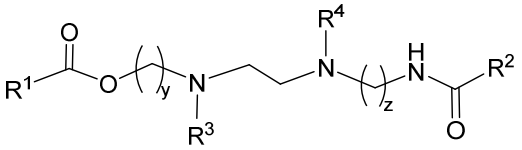
(V-C),



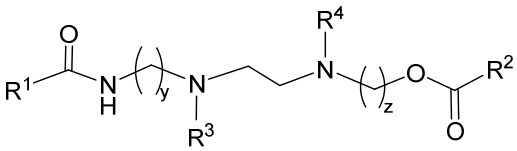
(V-D),



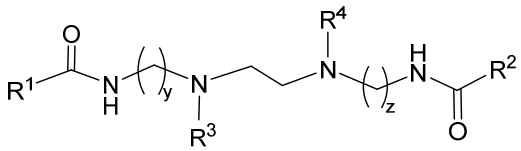
(V-E),



(V-F),



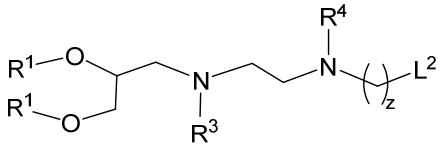
(V-G), or



(V-H),

or a pharmaceutically acceptable salt or stereoisomer thereof.

8. The compound of claim 1, which is a compound of Formula (VI):

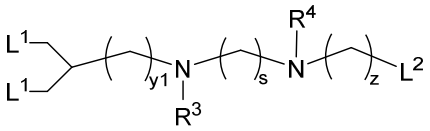


(VI),

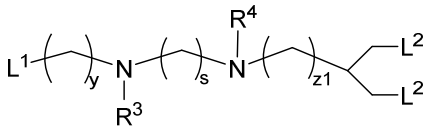
wherein z is an integer from 2 to 12;

or a pharmaceutically acceptable salt or stereoisomer thereof.

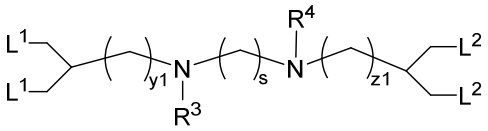
9. The compound of claim 1, which is a compound of Formula (IX-A), (IX-B), (IX-C), (IX-D), (IX-E), (IX-F), (IX-G), (IX-H), (IX-I), (IX-J), (IX-K), (IX-L), (IX-M), (IX-N), (IX-O), (IX-P), (IX-Q), (IX-R), (IX-S), (IX-T), (IX-U), (IX-V), (IX-W), (IX-X), (IX-Y), (IX-Z), or (IX-AA):



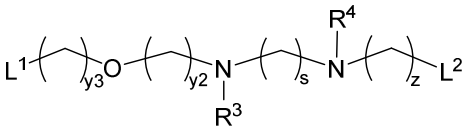
(IX-A),



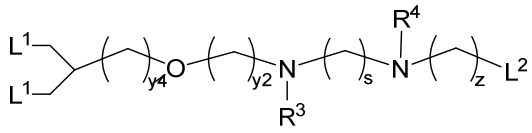
(IX-B),



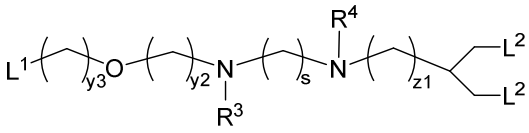
(IX-C),



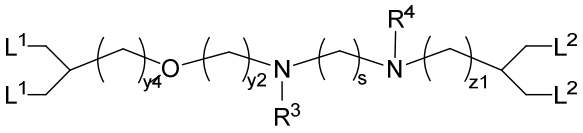
(IX-D),



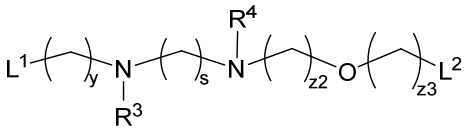
(IX-E),



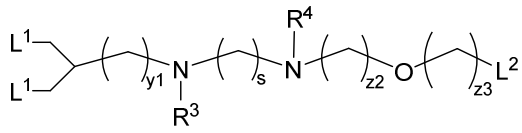
(IX-F),



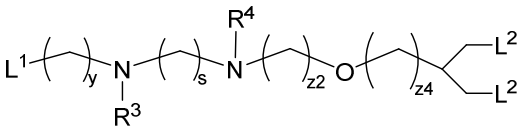
(IX-G),



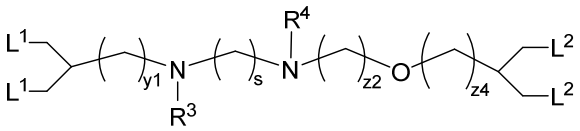
(IX-H),



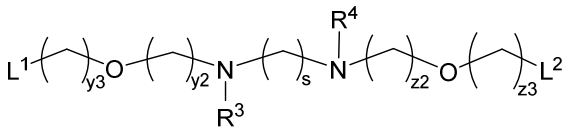
(IX-I),



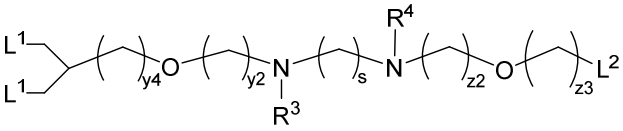
(IX-J),



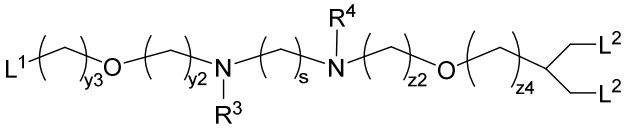
(IX-K),



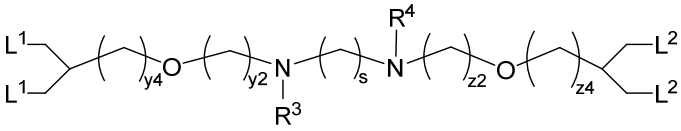
(IX-L),



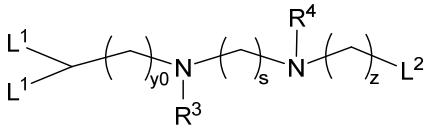
(IX-M),



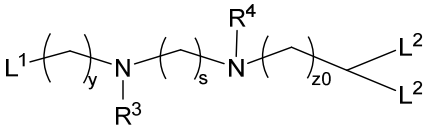
(IX-N),



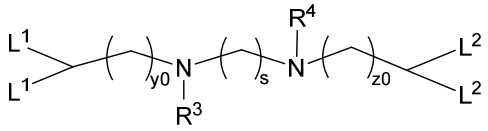
(IX-O),



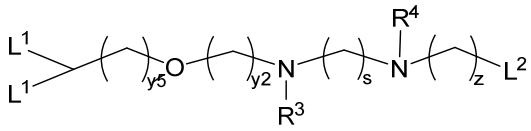
(IX-P),



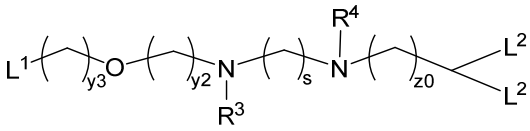
(IX-Q),



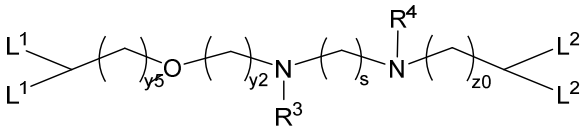
(IX-R),



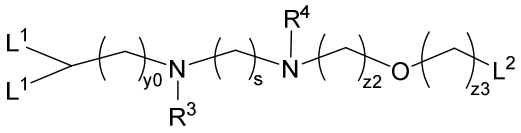
(IX-S),



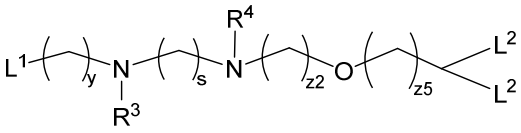
(IX-T),



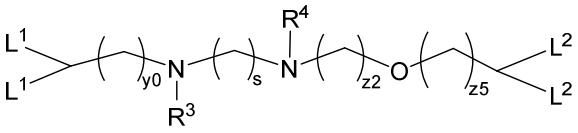
(IX-U),



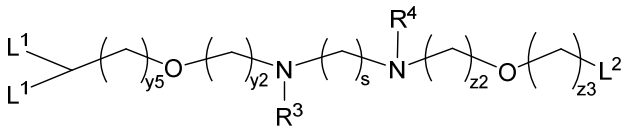
(IX-V),



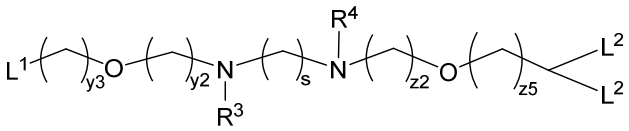
(IX-W),



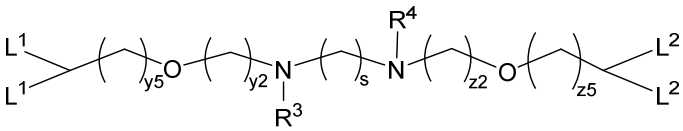
(IX-X),



(IX-Y),



(IX-Z), or



(IX-AA),

wherein s is an integer from 2 to 12,

y is an integer from 2 to 12;

z is an integer from 2 to 12;

y0 is an integer from 1 to 11;

z0 is an integer from 1 to 11;

y1 is an integer from 0 to 9;

z1 is an integer from 0 to 9;

y2 is an integer from 2 to 5;

y3 is an integer from 2 to 6;

y4 is an integer from 0 to 3;

y5 is an integer from 1 to 5;

z2 is an integer from 2 to 5;

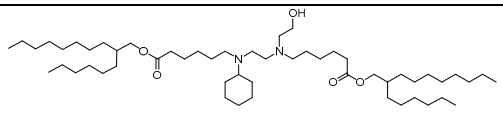
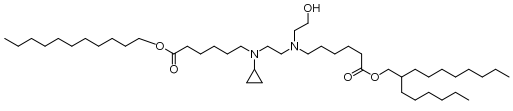
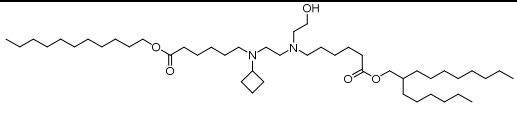
z3 is an integer from 2 to 6;

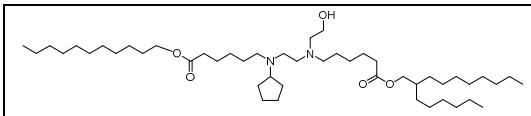
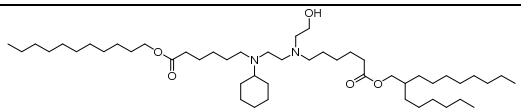
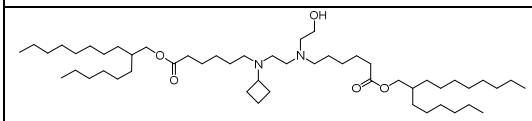
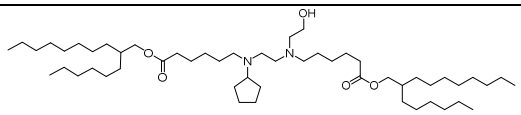
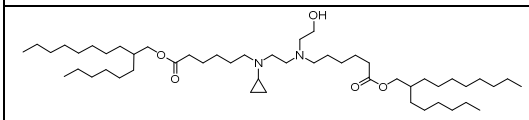
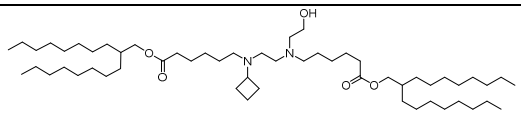
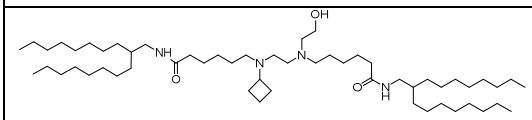
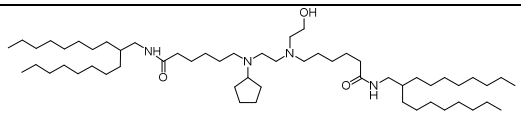
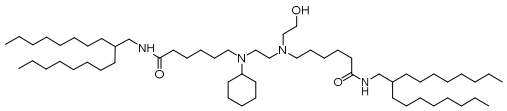
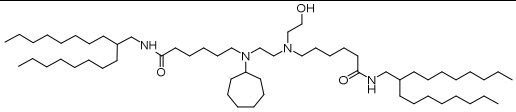
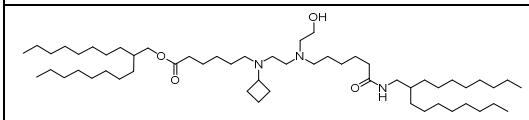
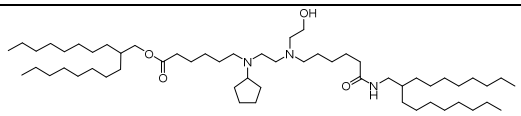
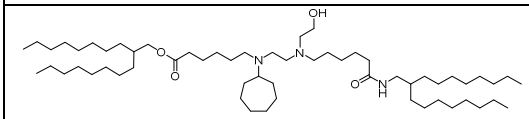
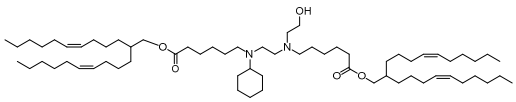
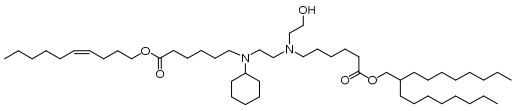
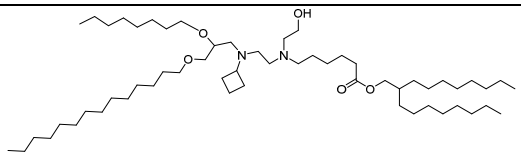
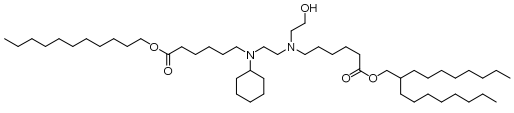
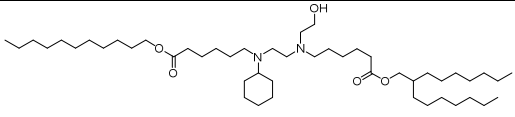
z4 is an integer from 0 to 3; and

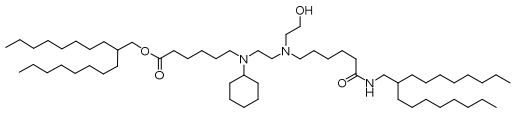
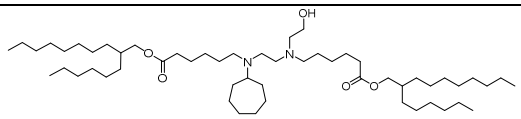
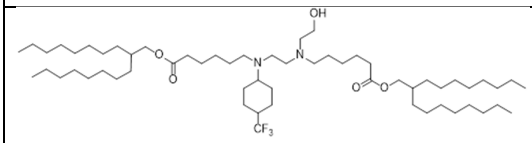
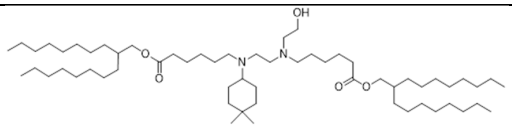
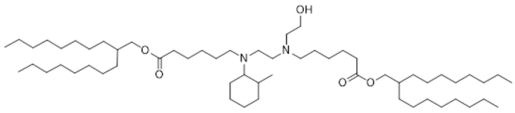
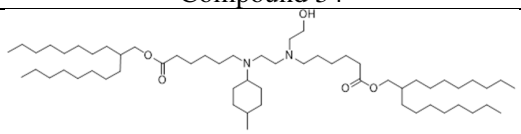
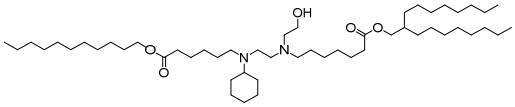
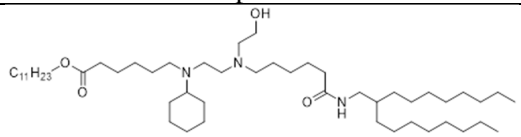
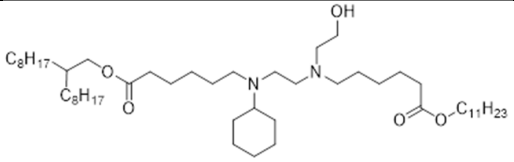
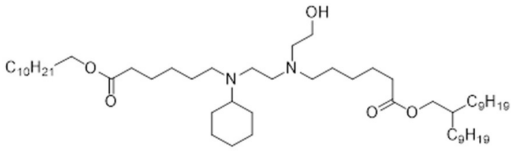
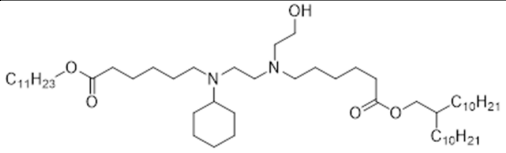
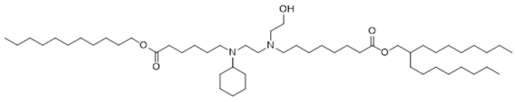
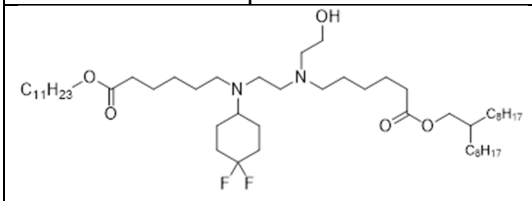
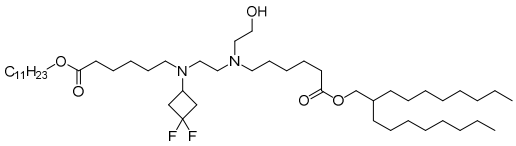
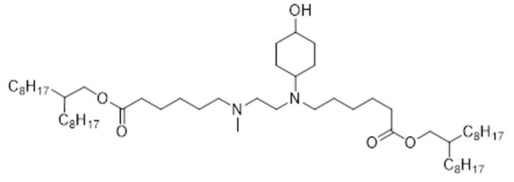
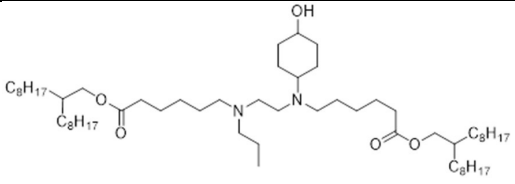
z5 is an integer from 1 to 5;

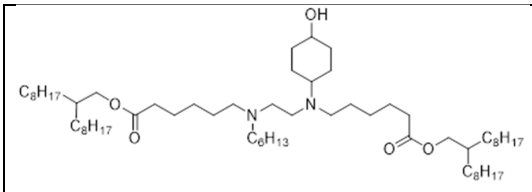
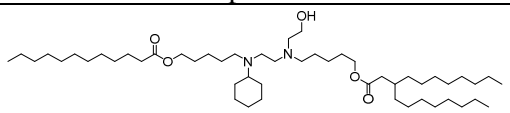
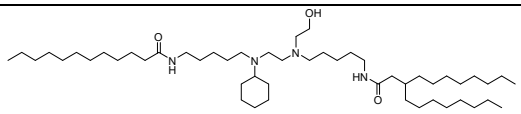
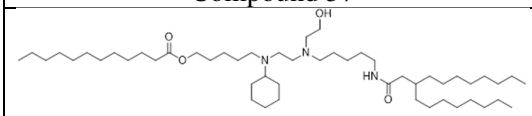
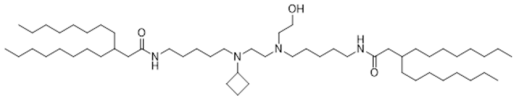
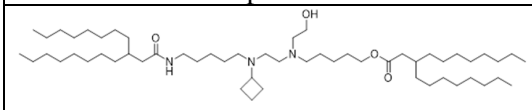
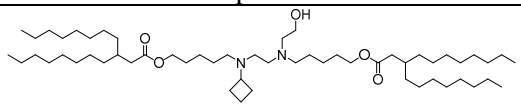
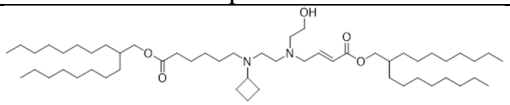
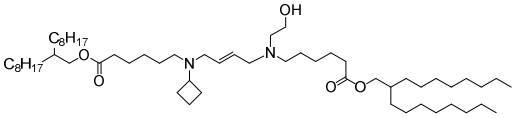
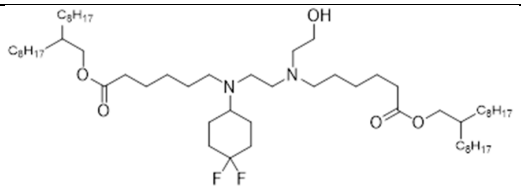
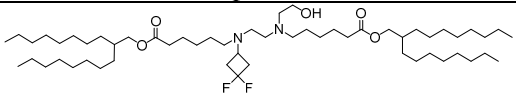
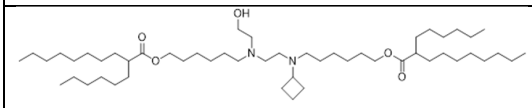
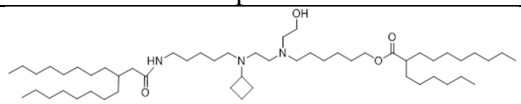
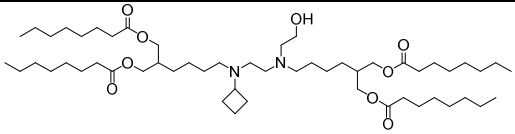
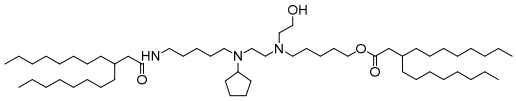
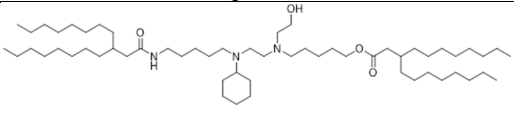
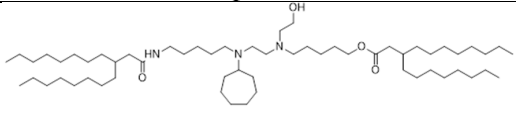
or a pharmaceutically acceptable salt or stereoisomer thereof.

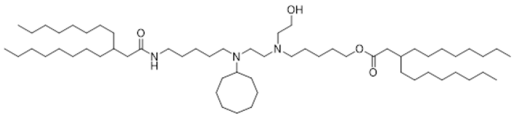
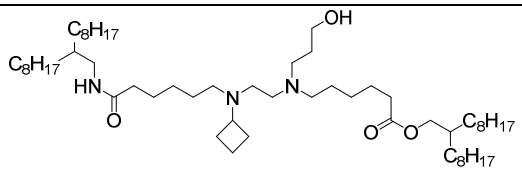
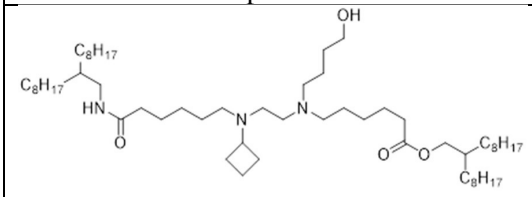
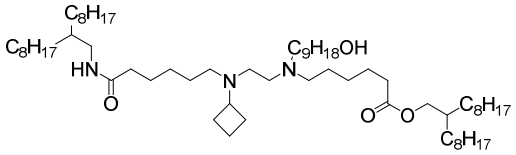
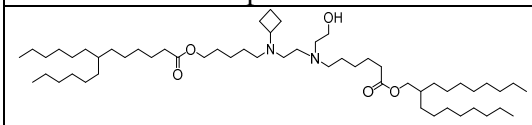
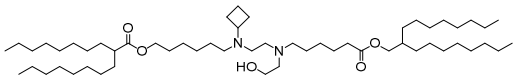
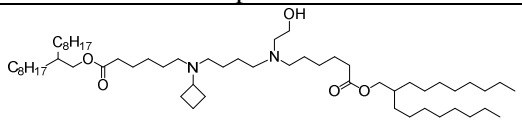
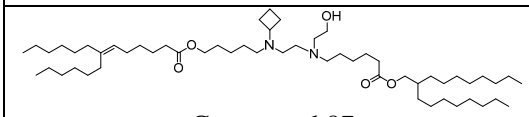
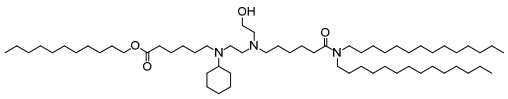
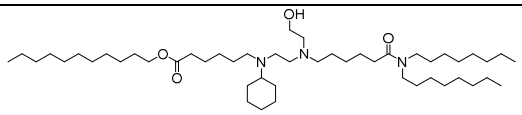
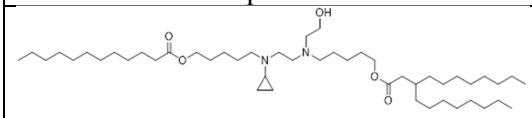
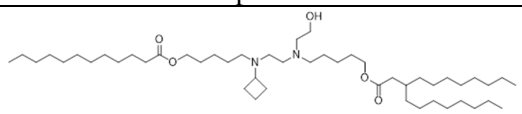
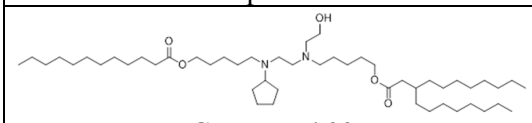
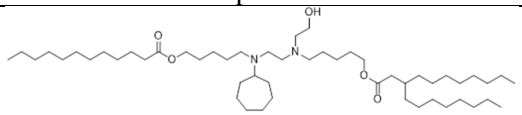
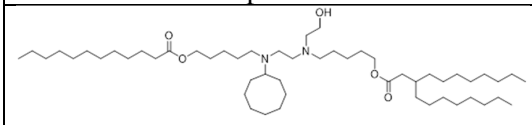
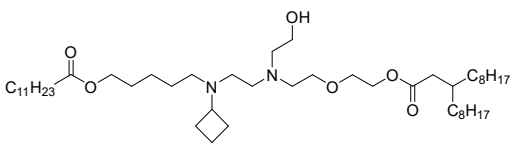
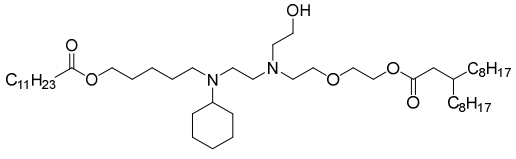
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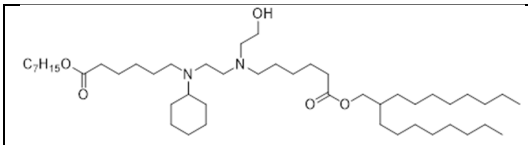
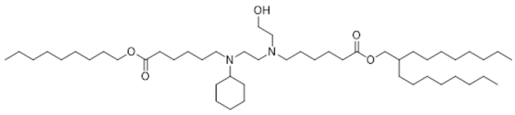
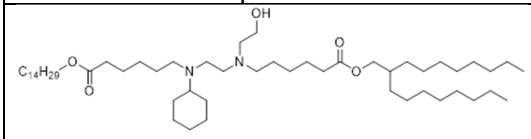
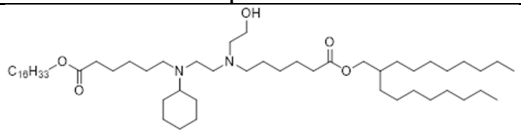
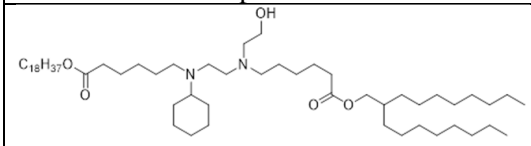
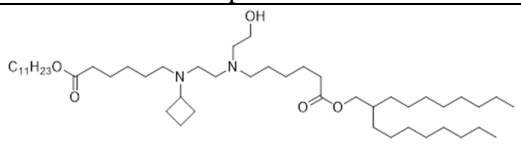
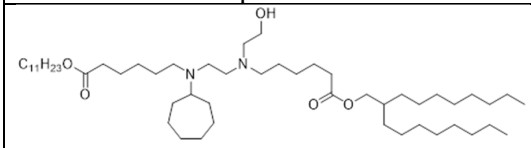
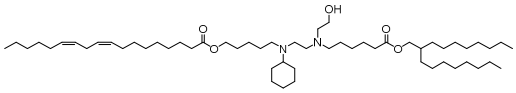
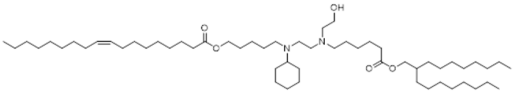
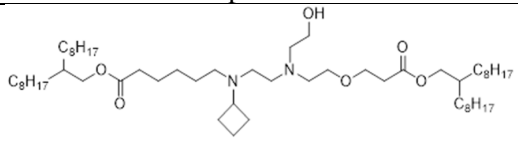
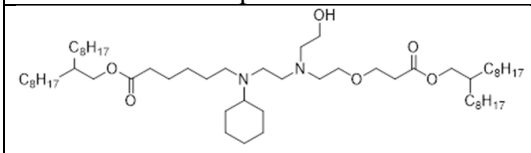
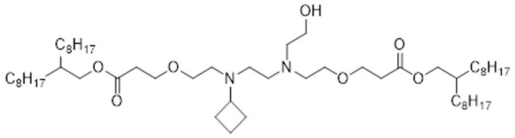
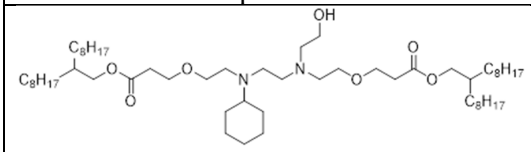
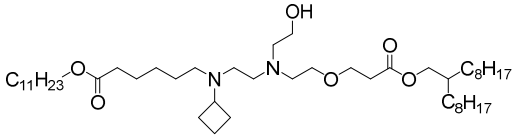
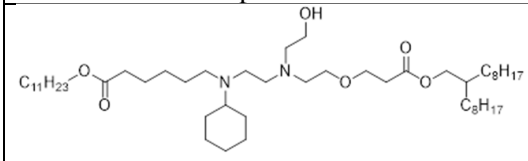
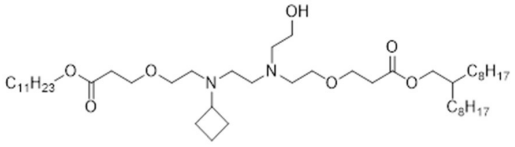
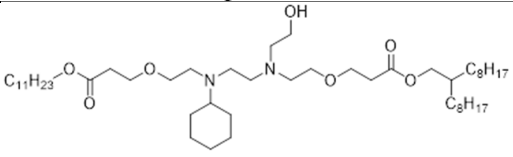
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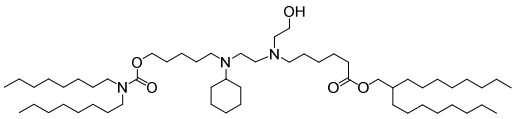
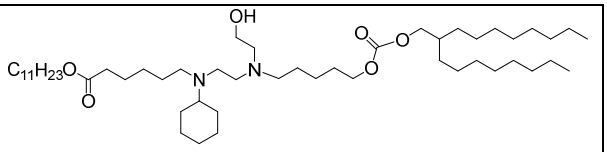
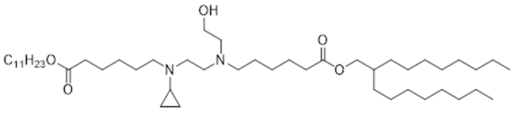
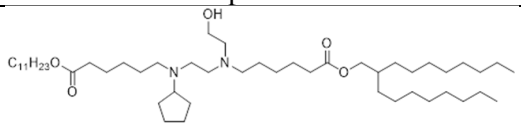
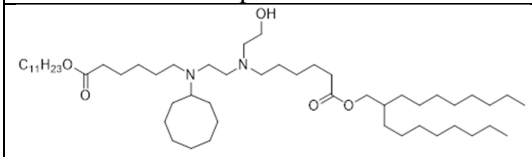
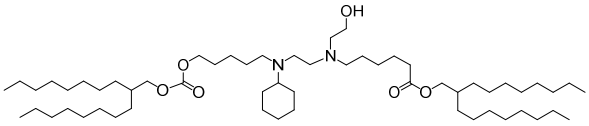
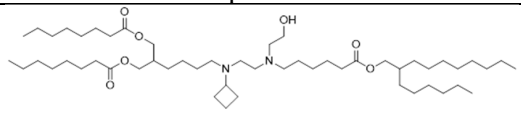
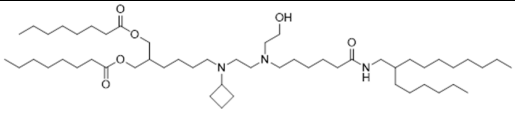
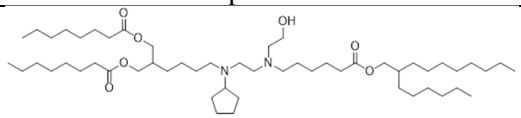
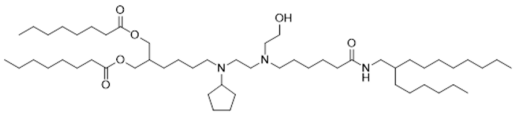
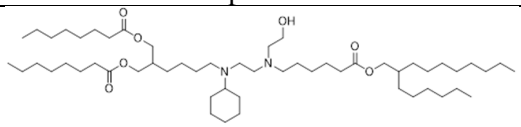
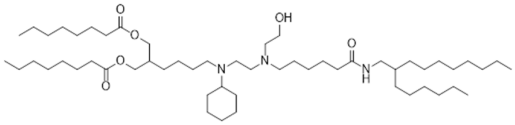
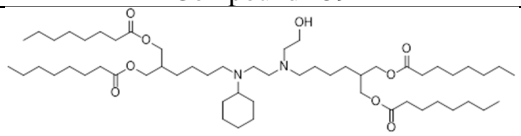
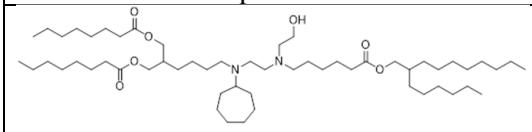
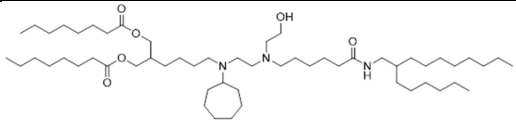
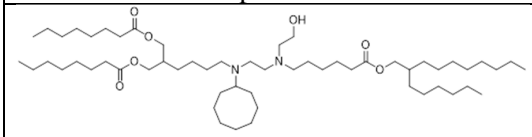
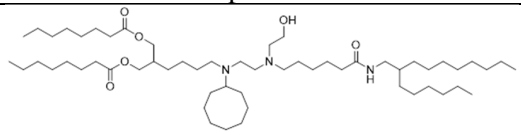
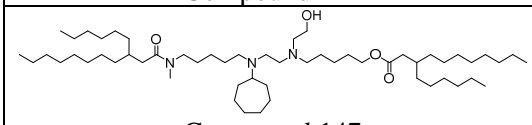
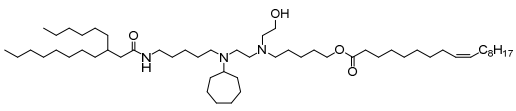
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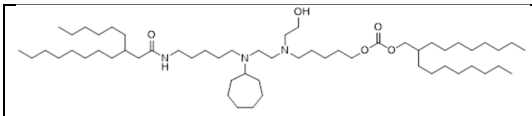
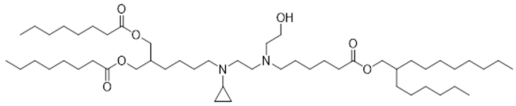
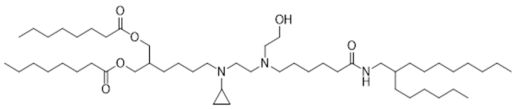
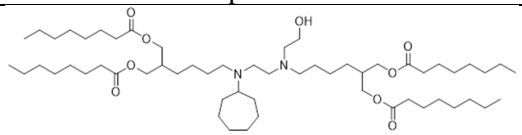
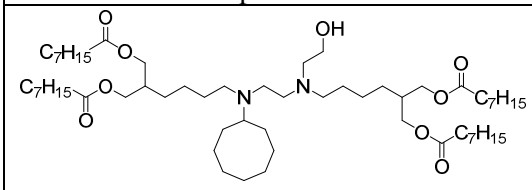
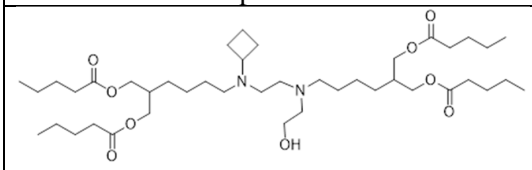
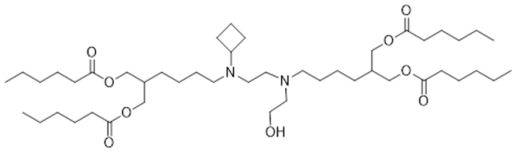
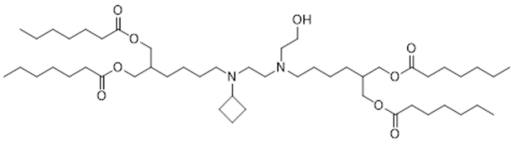
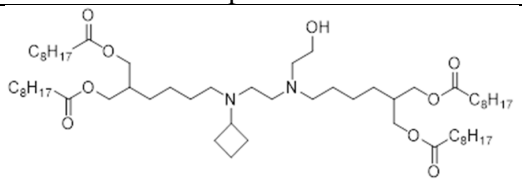
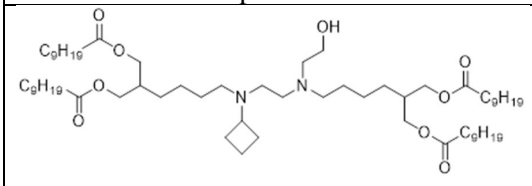
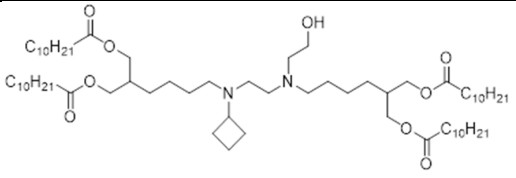
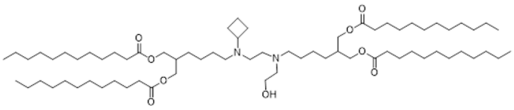
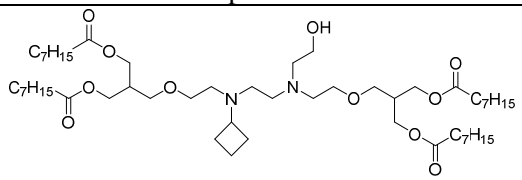
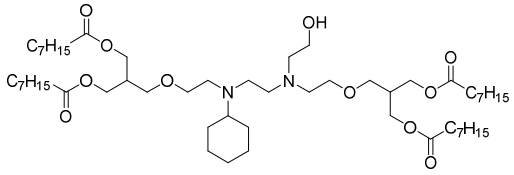
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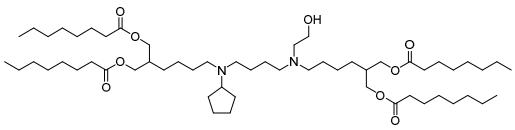
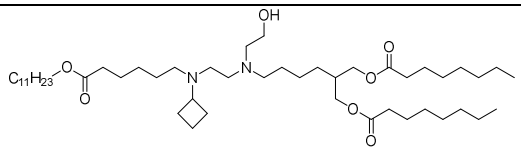
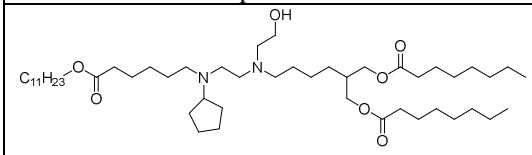
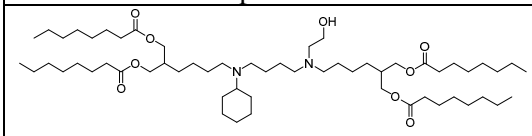
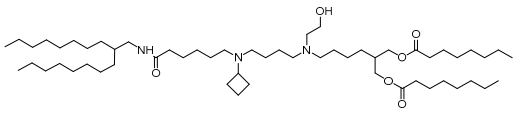
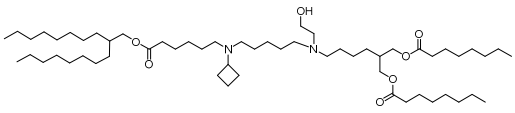
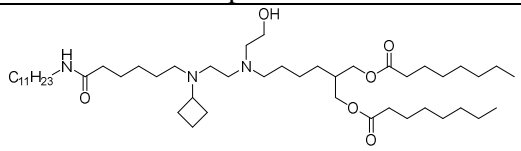
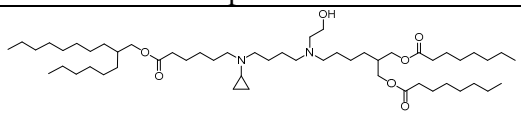
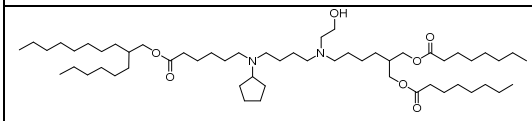
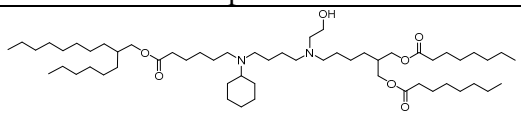
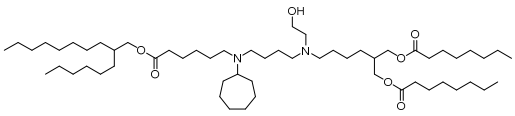
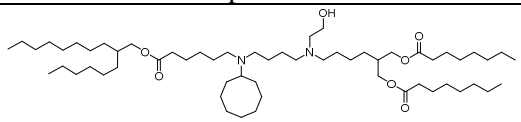
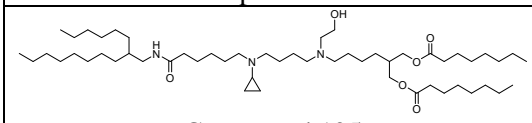
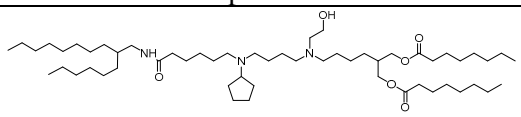
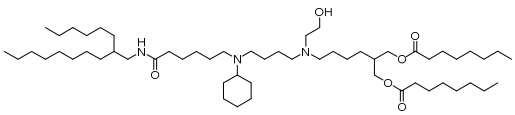
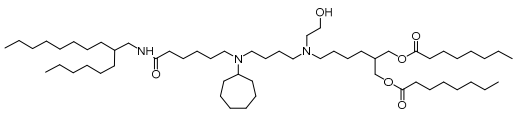
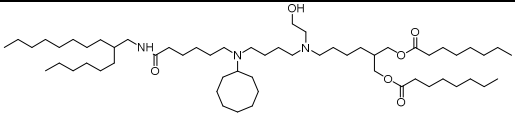
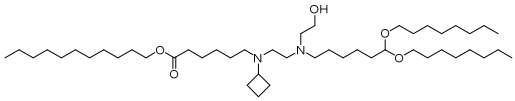
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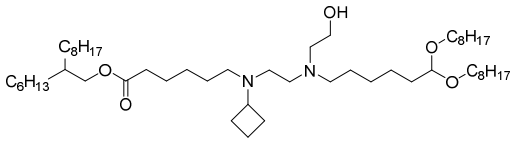
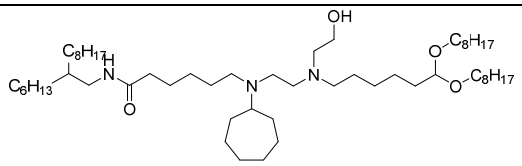
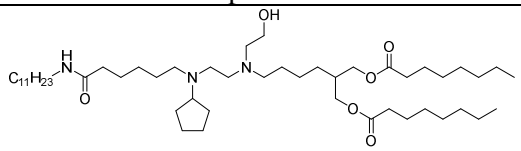
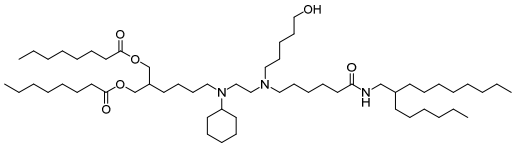
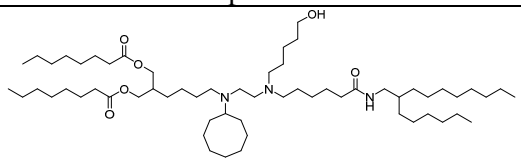
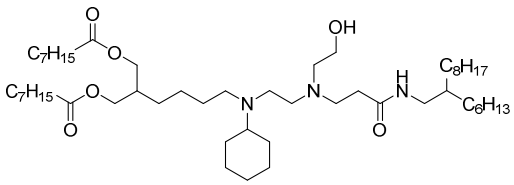
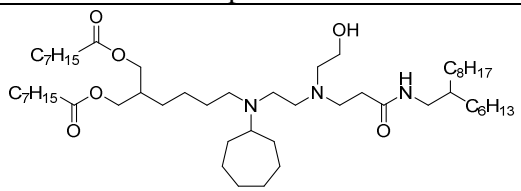
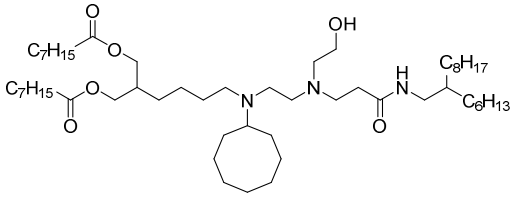
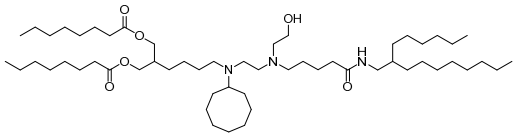
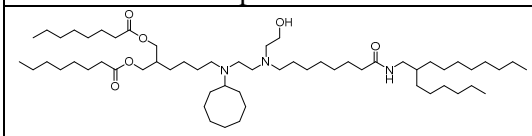
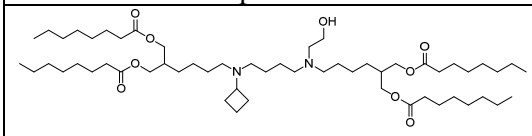
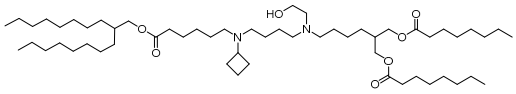
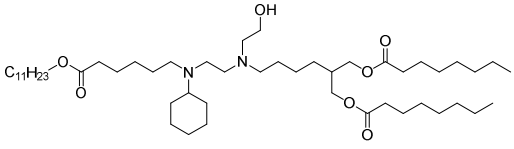
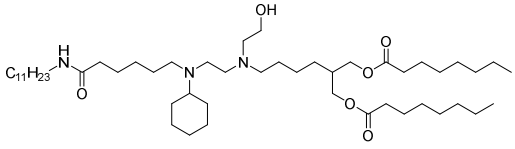
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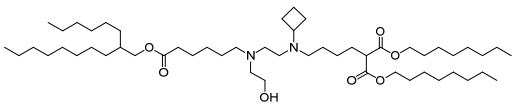
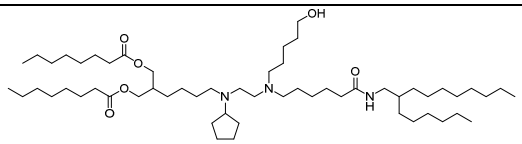
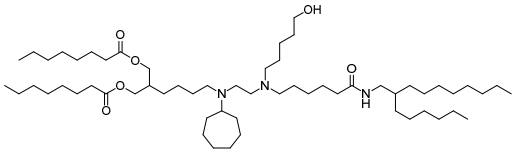
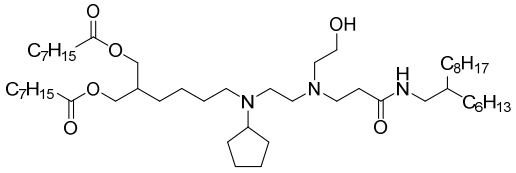
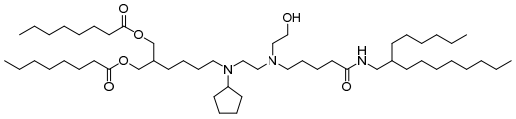
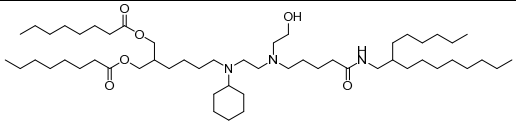
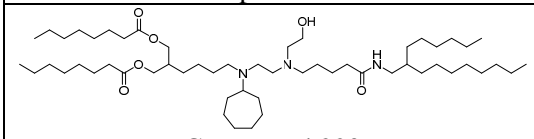
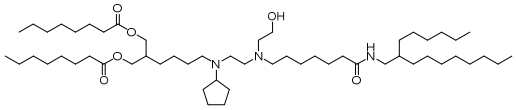
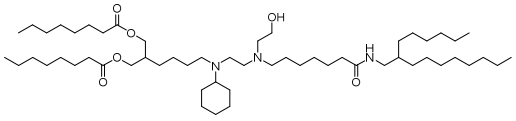
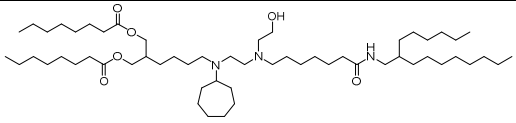
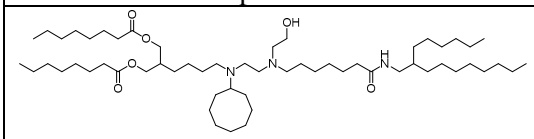
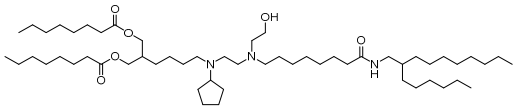
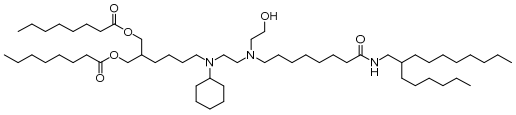
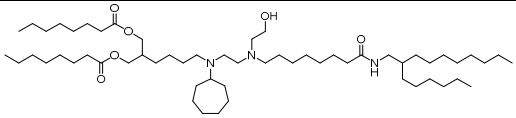
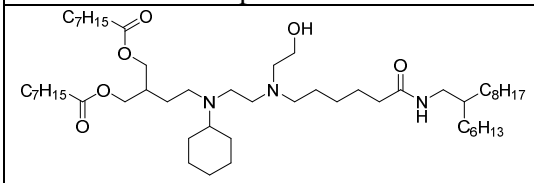
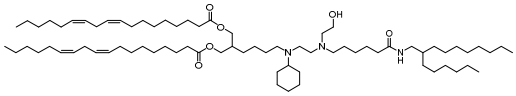
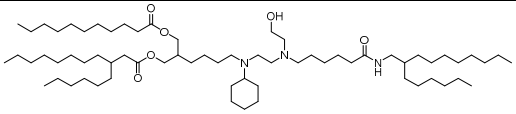
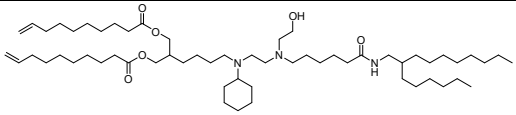
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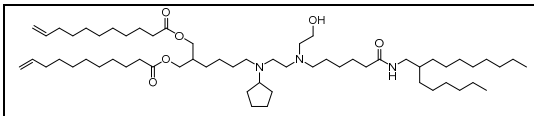
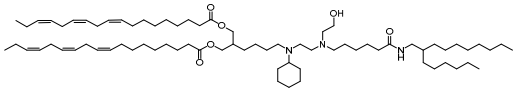
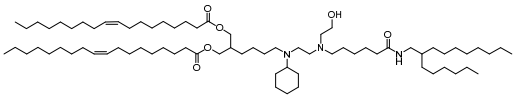
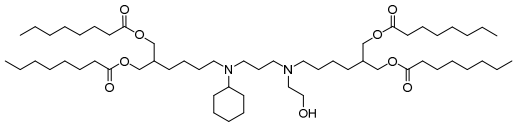
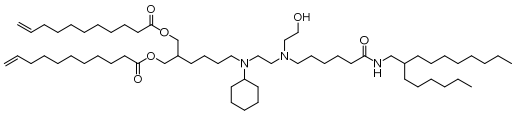
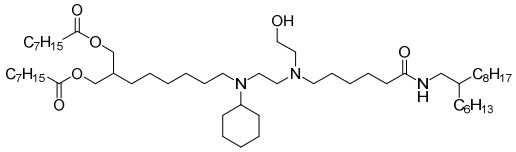
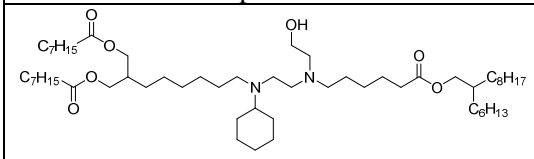
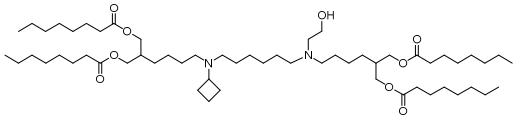
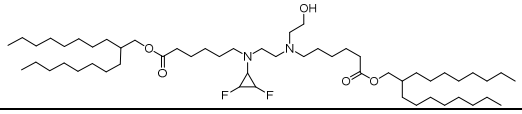
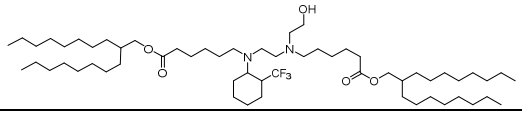
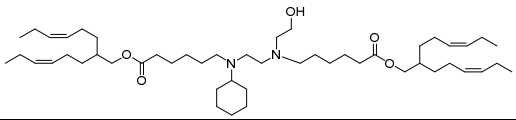
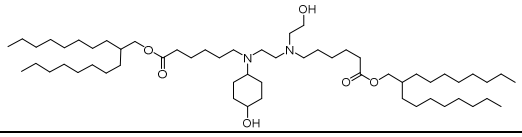
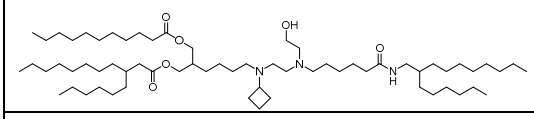
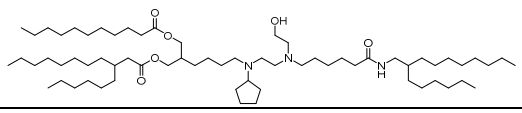
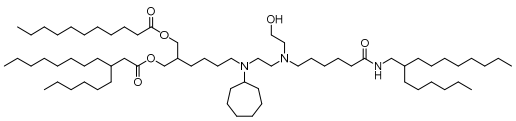
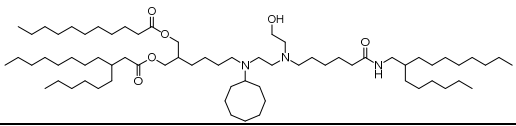
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	 Compound 135
 Compound 136	 Compound 137
 Compound 138	 Compound 139
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 Compound 147	 Compound 152

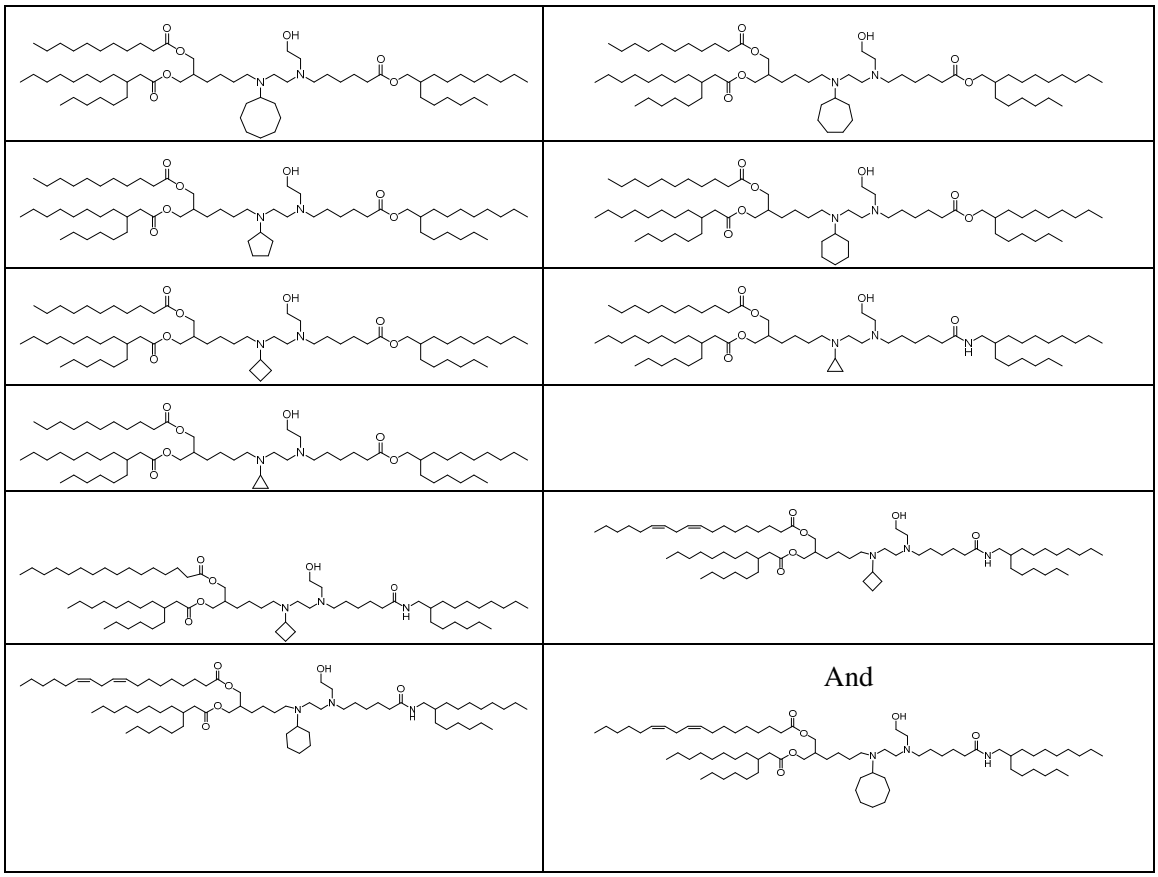
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 Compound 183	
 Compound 185	 Compound 186
 Compound 187	 Compound 188
	 Compound 190
 Compound 191	 Compound 192
 Compound 193	 Compound 194
 Compound 195	 Compound 196
 Compound 197	 Compound 198
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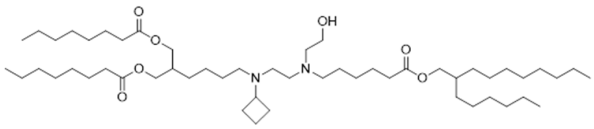
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 Compound 231	 Compound 232
 Compound 233	 Compound 234
 Compound 235	 Compound 236
 Compound 237	 Compound 238
 Compound 239	 Compound 245

 Compound 246	 Compound 247
 Compound 248	 Compound 249
 Compound 250	 Compound 251
 Compound 252	 Compound 257
	
	
	
	
	
	



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11. A compound, which is:



Compound 135,

or a pharmaceutically acceptable salt or stereoisomer thereof.

12. A composition comprising the compound of any one of claims 1 to 11, and a therapeutic or prophylactic agent.

13. A lipid nanoparticle comprising the compound of any one of claims 1 to 11.

14. A pharmaceutical composition comprising the compound of any one of claims 1 to 11, a pharmaceutically acceptable excipient or diluent.