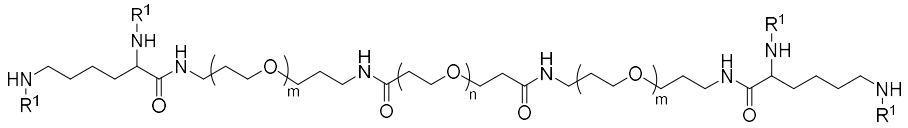
CLAIMS

WHAT IS CLAIMED IS:

1. A process for synthesizing a compound of Formula I



I

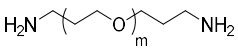
wherein, R^1 is a retinoid radical;

m is an integer from 1-6; and

n is an integer from 1-10

the process comprising,

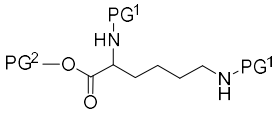
a) reacting a compound of Formula II



II

wherein, m is an integer from 1-6;

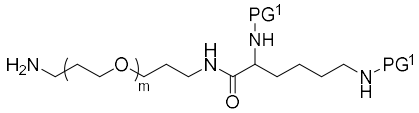
with a compound of Formula III



III

wherein, PG^1 and PG^2 are each independently a protecting group;

to form a compound of Formula IV

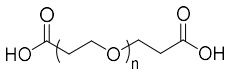


IV

wherein m is an integer from 1-6; and

PG^1 is a protecting group

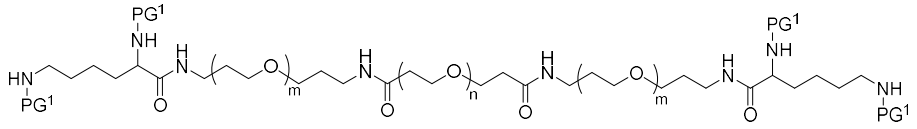
b) reacting a compound of Formula IV with a compound of Formula V



V

wherein, n is an integer from 1-10;

to form a compound of Formula VI



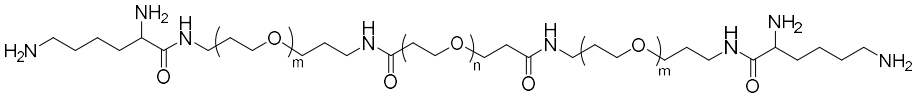
VI

wherein, m is an integer from 1-6;

n is an integer from 1-10; and

PG^1 is a protecting group;

c) reacting a compound of Formula VI under hydrogenation conditions to form a compound of Formula VII



VII

wherein m is an integer from 1-6; and

n is an integer from 1-10; and

d) reacting the compound of Formula VII under coupling conditions with a retinoid to form a compound of Formula I.

2. The process of claim 1, wherein the retinoid in step (d) is selected from vitamin A, retinoic acid, tretinoin, adapalene, 4-hydroxy(phenyl)retinamide, retinyl palmitate, retinal, saturated retinoic acid, and saturated demethylated retinoic acid.

3. The process of claim 2, wherein the retinoid in step (d) is retinoic acid.

4. The process of claim 1, wherein the hydrogenation conditions comprise reacting a compound of Formula I with H_2 and Pd/C.

5. The process of claim 1, wherein m is 3.

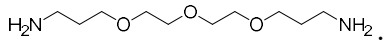
6. The process of claim 5, wherein n is 5.

7. The process of claim 1, wherein each PG^1 and PG^2 are independently selected from the group consisting of carboxybenzyl, *p*-methoxybenzyl carbonyl, *t*-butyloxycarbonyl, 9-fluorenylmethyloxycarbonyl, acetyl, trifluoroacetyl, benzoyl, benzyl, carbamate, *p*-methoxybenzyl, 3,4-dimethoxybenzyl, *p*-methoxybenzyl, tosyl, trichloroethyl chloroformate, (4-nitrophenyl)sulfonyl, methyl, ethyl, propyl, *n*-butyl, *t*-butyl, succinimide, 2,6-dimethylphenol, 2,6-diisopropylphenol, 2,6-di-*tert*-butylphenol, trimethylsilyl, allyl, 1,1-dimethylallyl, 2,2,2- trifluoroethyl, phenyl, and 4-methoxybenzyl.

8. The process of claim 7 wherein PG^1 is carboxybenzyl.

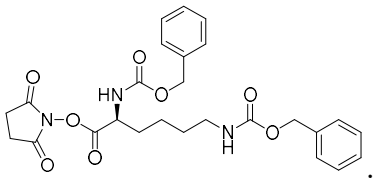
9. The process of claim 7 wherein PG^2 is succinimide.

10. The process of claim 1, wherein the compound of Formula II is



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11. The process of claim 10, wherein the compound of Formula III is



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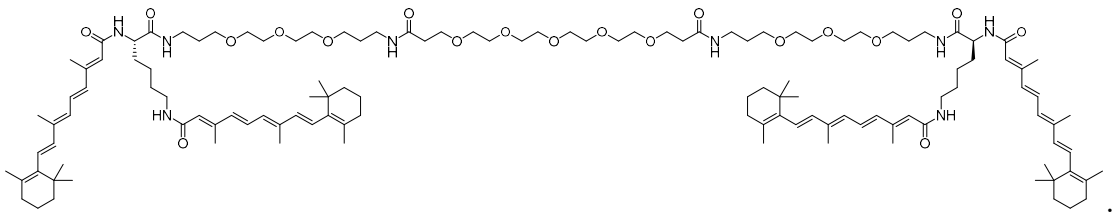
12. The process of claim 1 wherein a) is done at between -20 °C and 0 °C; or

wherein, the yield of a) is at least about 70%; or

wherein in a) the compound of Formula II is present in between about 2 and about 8 equivalents and the compound of Formula III is present in about 1 equivalent.

13. The process according to claim 1 wherein, a) further comprises the addition of citric acid after formation of the compound of Formula IV.

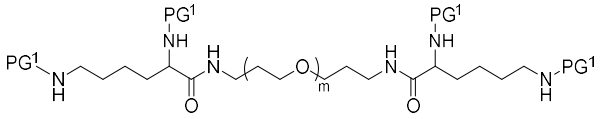
14. The process of claim 1, wherein the compound of Formula I is



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15. The process of claim 1, wherein the compound of Formula I is produced in at least about 50% yield from the compound of Formula III; or

wherein the compound of Formula IV is produced in a ratio of greater than 9:1 with a compound of Formula VIII



VIII

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