

FIGURES

Fig. 1

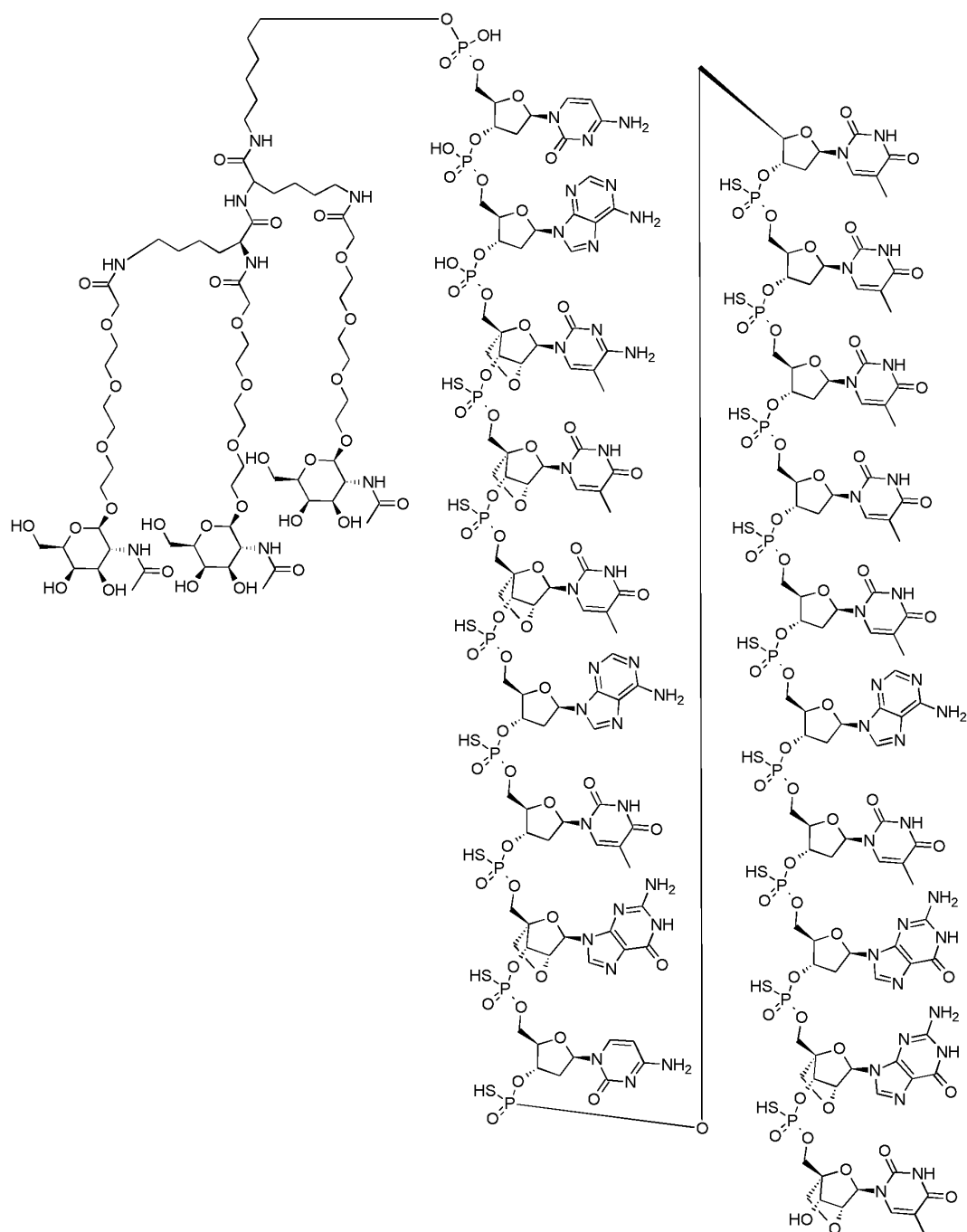


Fig. 1A

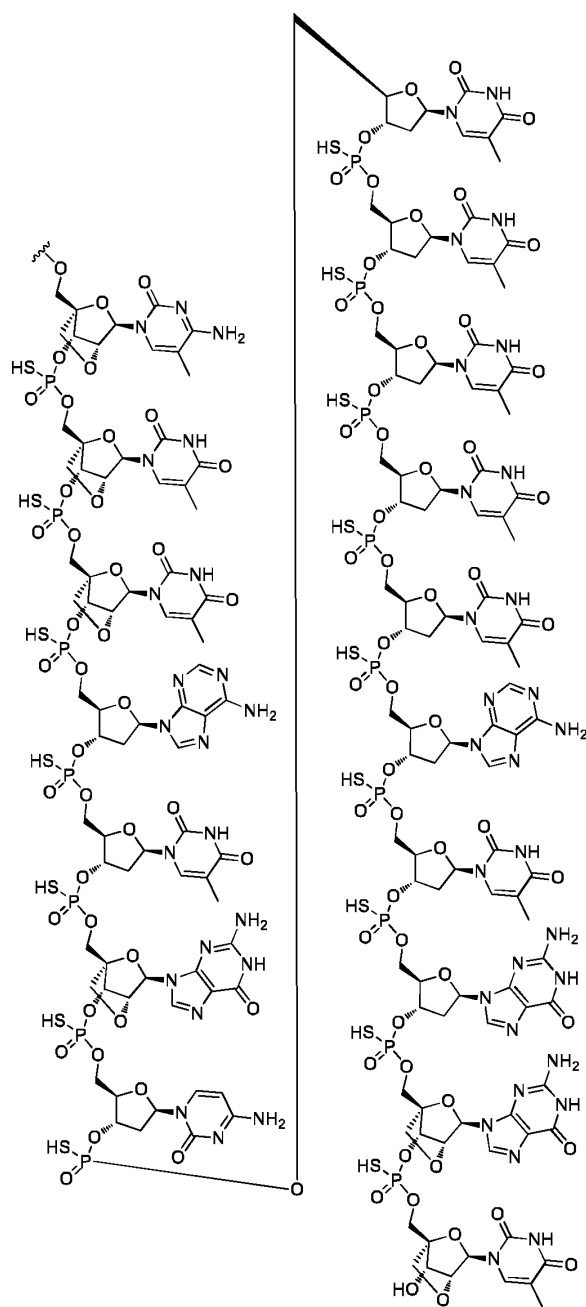


Fig. 2

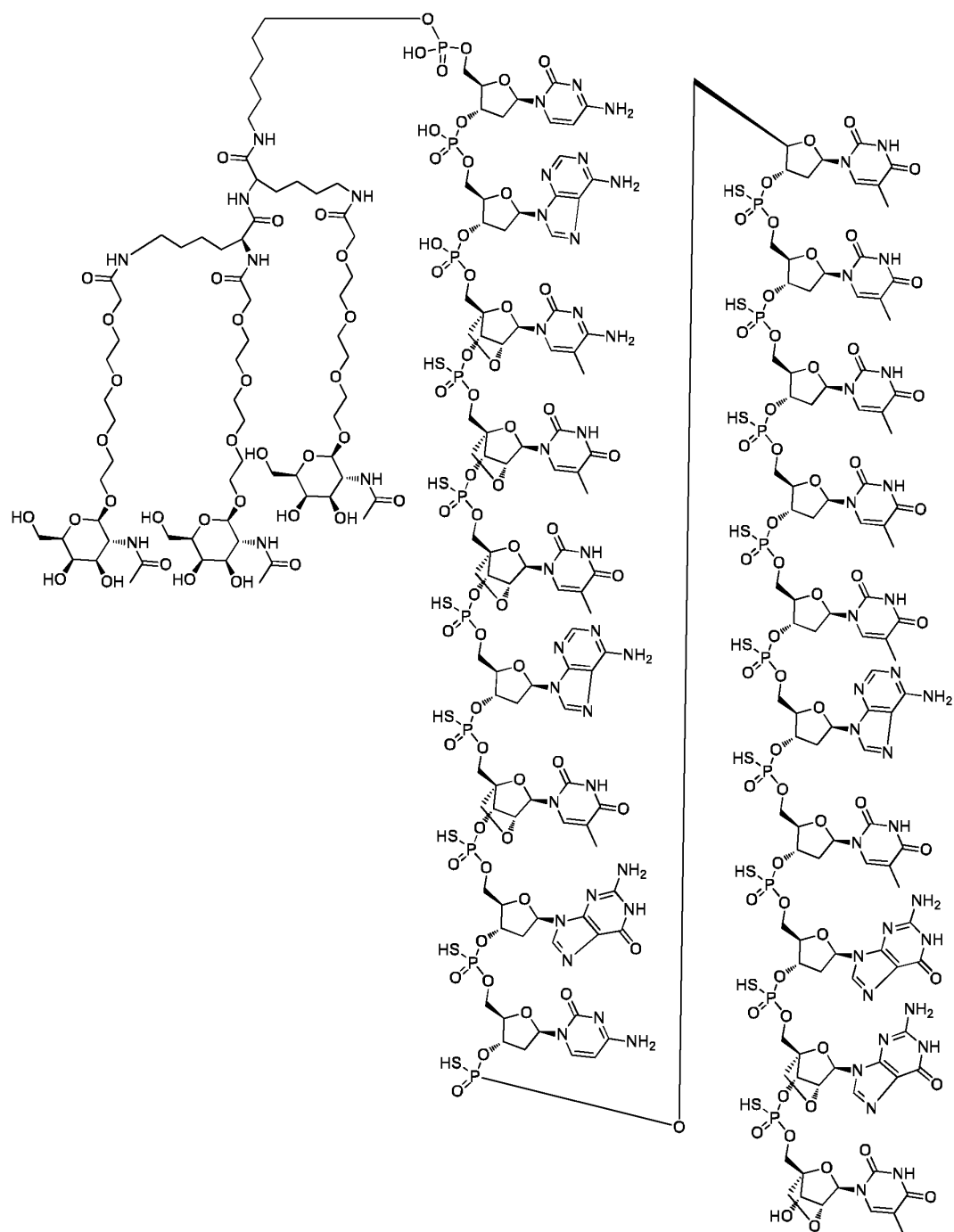


Fig. 2A

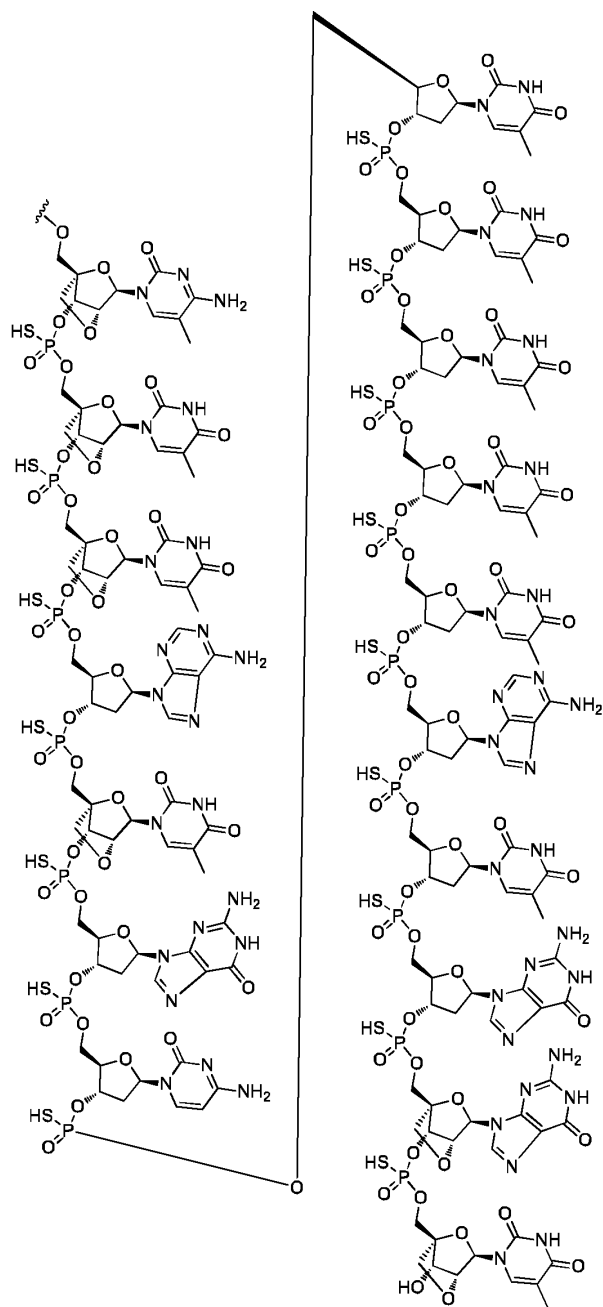


Fig. 3

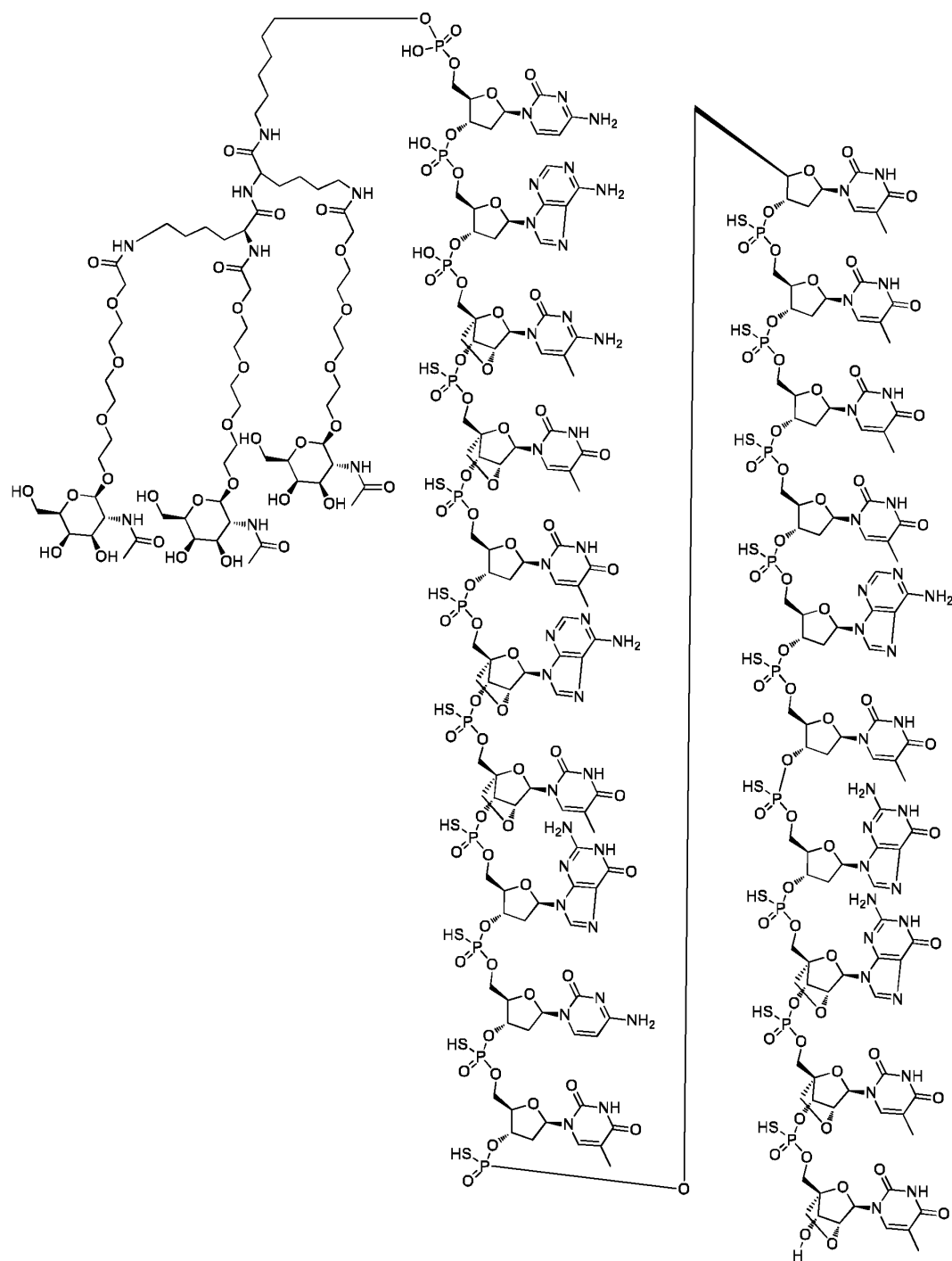


Fig. 3A

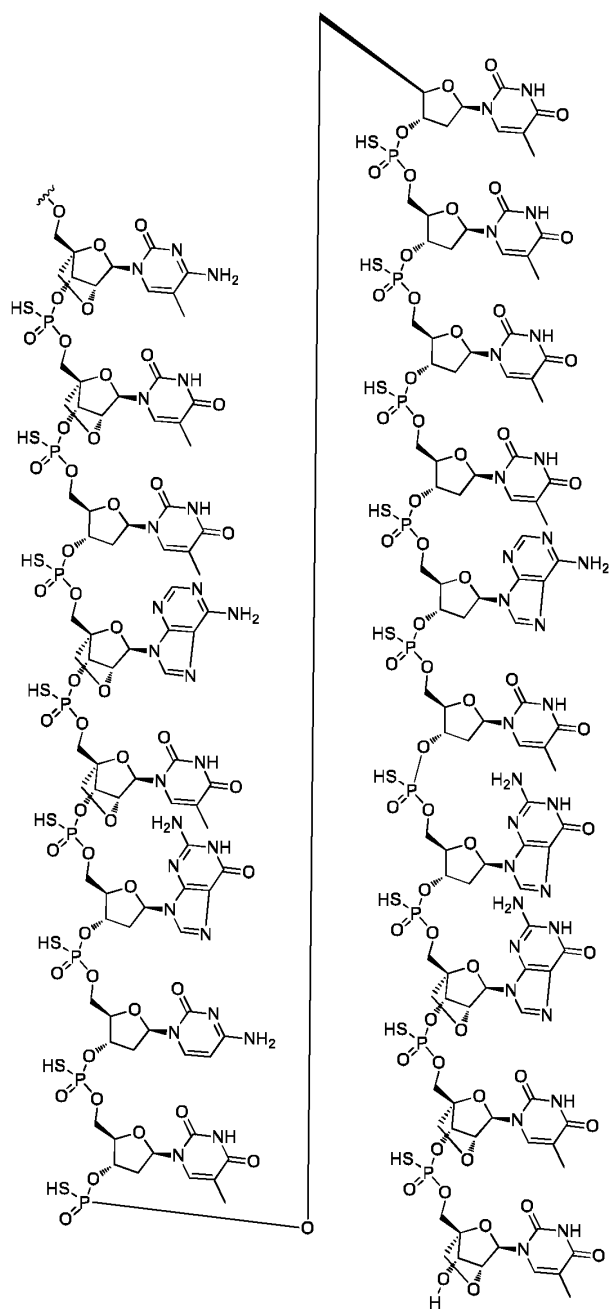


Fig. 4

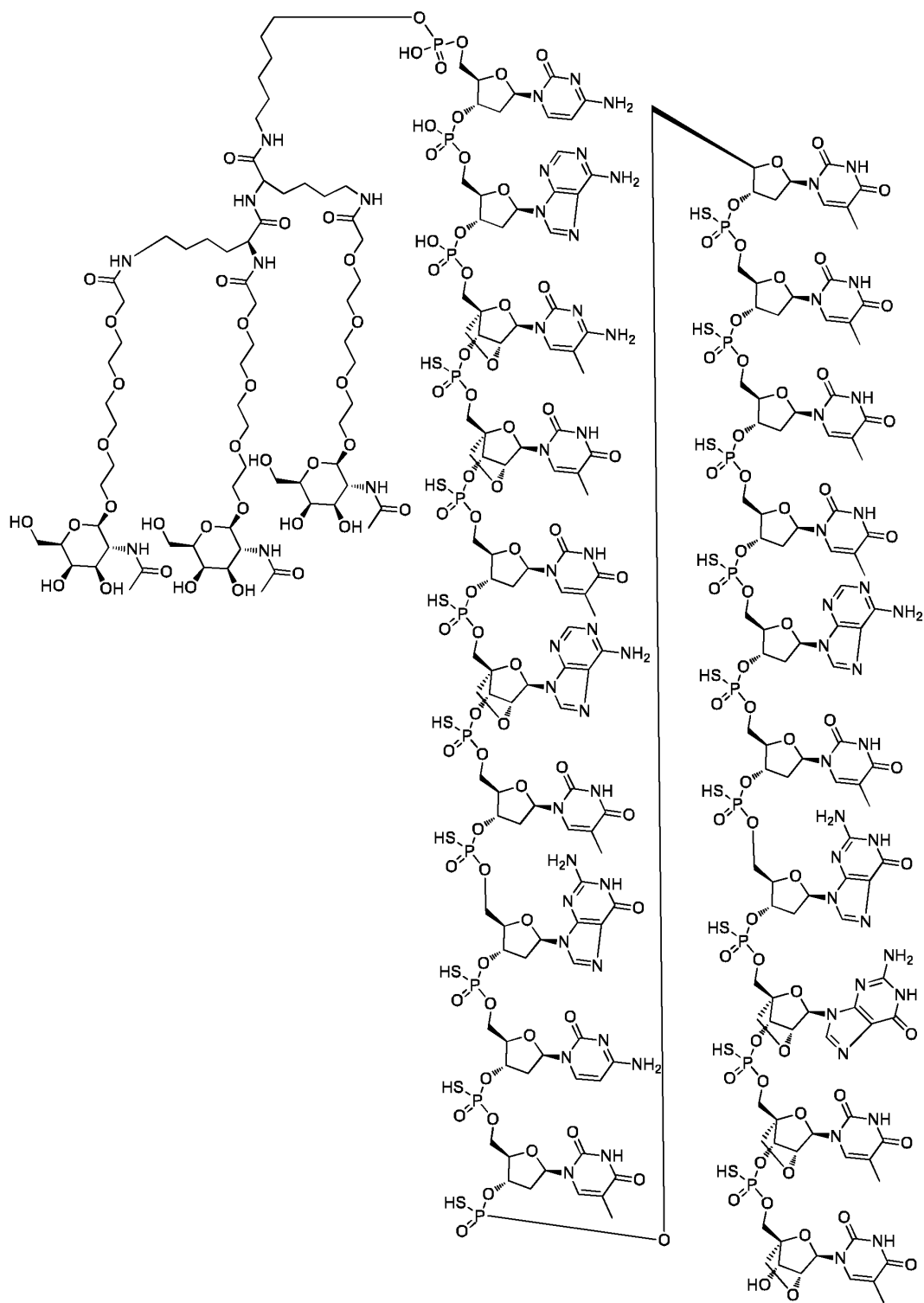
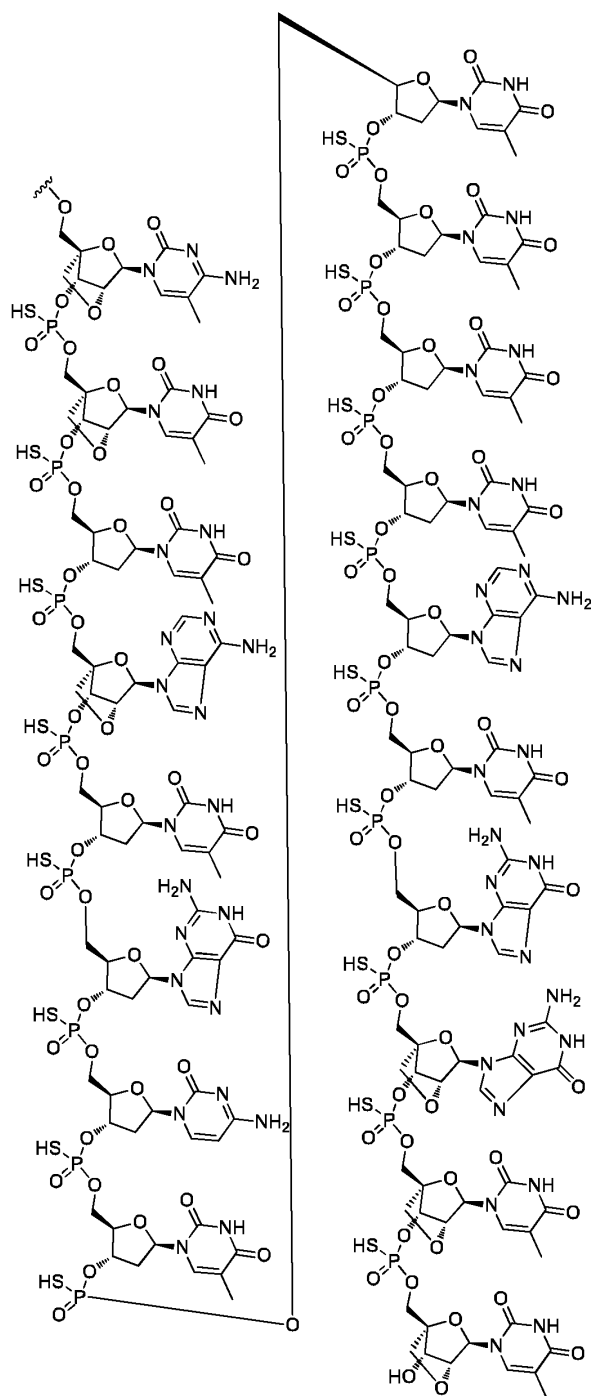


Fig. 4A



The chemical structure shows a long-chain polyphosphate derivative. It features a central phosphate backbone with various modifications. On the left, there is a complex sugar moiety with multiple hydroxyl groups and a phosphate group. The main chain consists of a series of phosphate groups linked by oxygen atoms. Various nucleosides and sugars are attached to the phosphate groups, including adenine, guanine, cytosine, and uracil derivatives. The structure is highly branched and complex, with many functional groups and stereocenters.

Fig. 5A

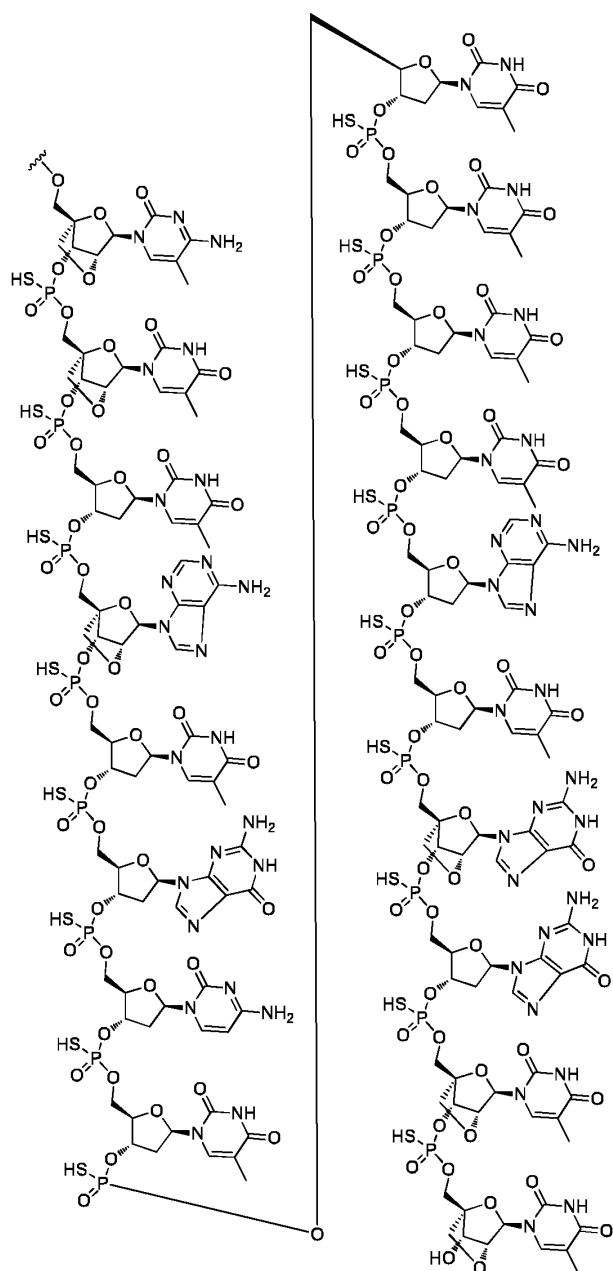


Fig 6

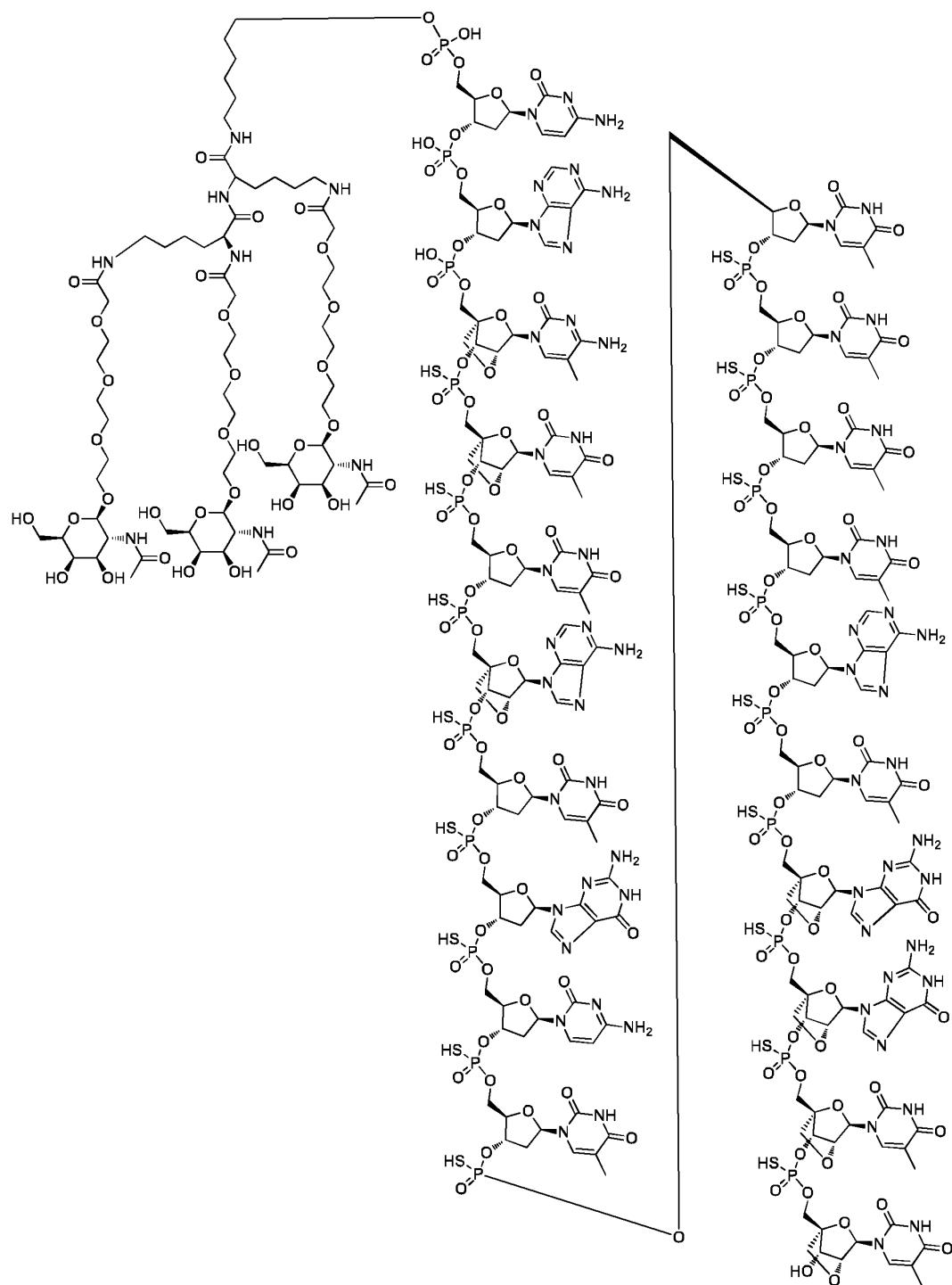


Fig 6A

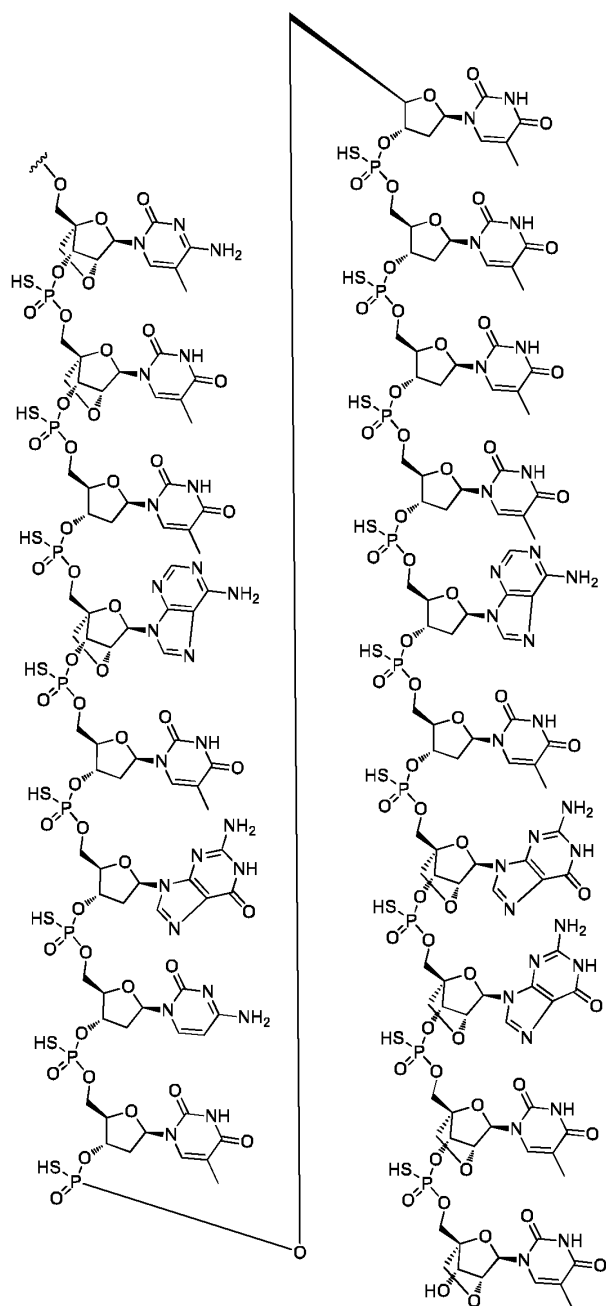
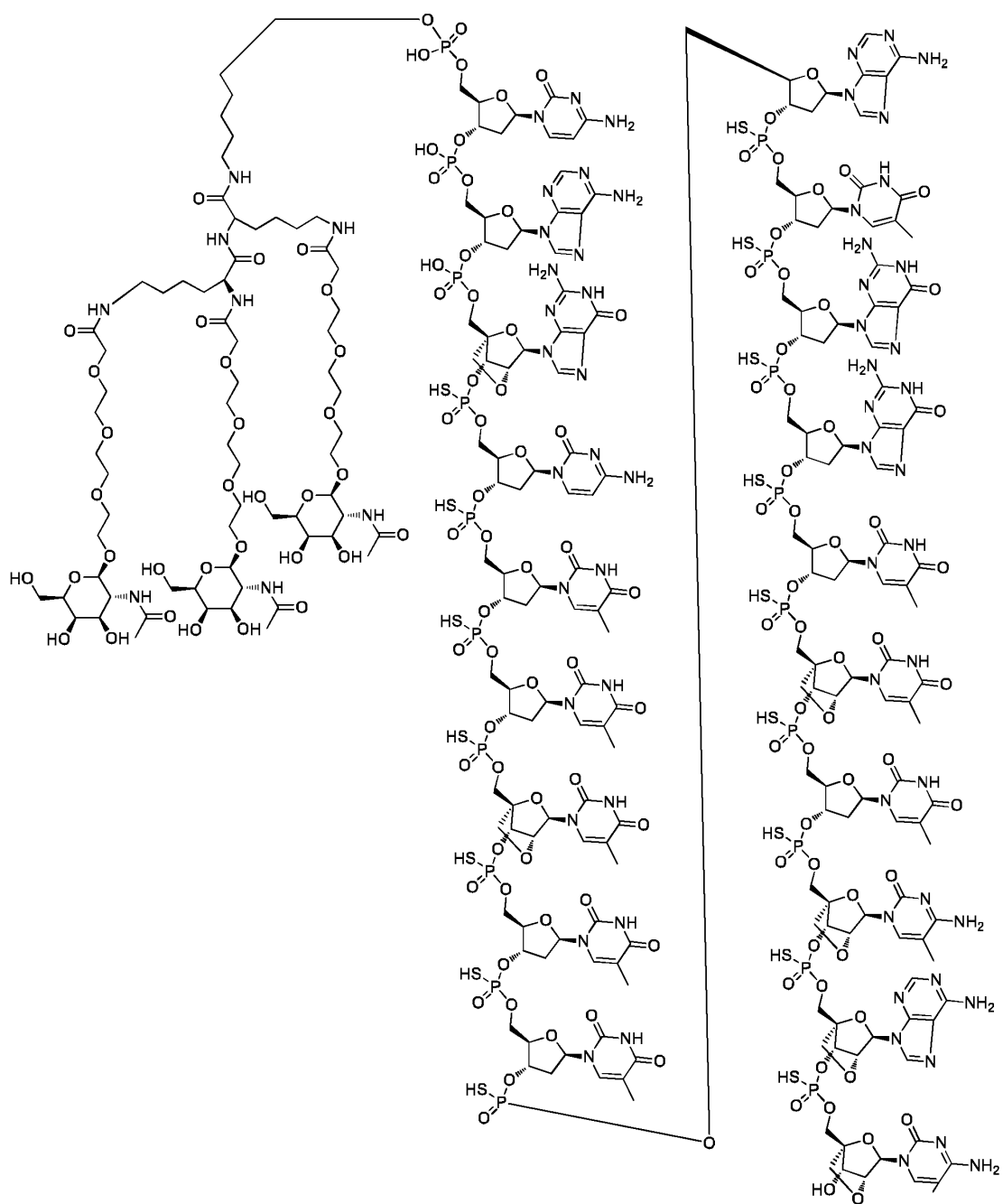


Fig. 7



[illegible]

Fig. 8

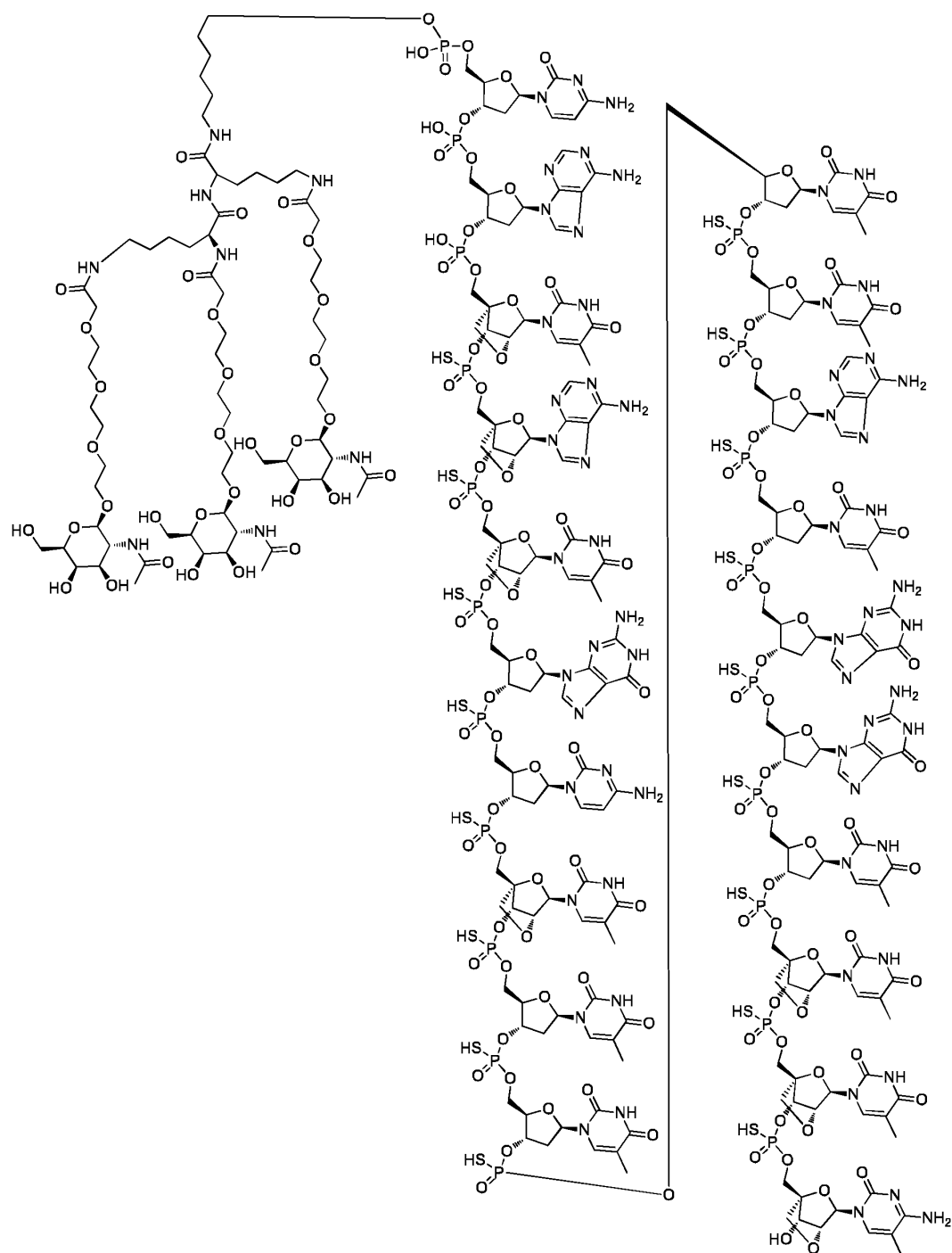


Fig. 8A

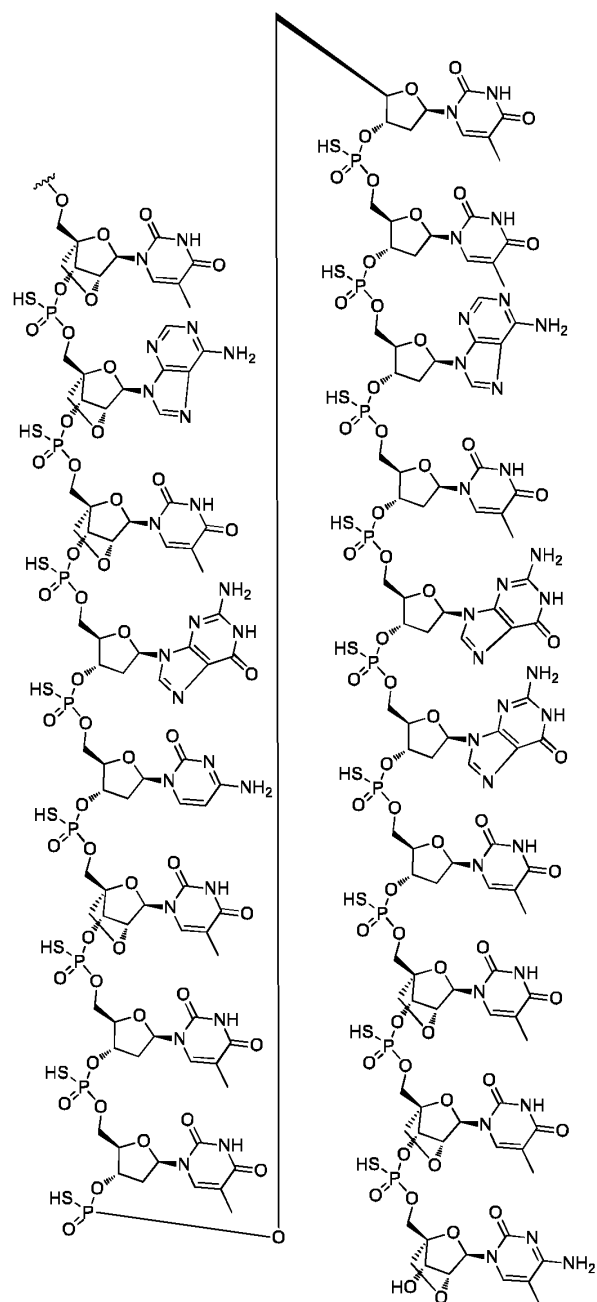


Fig. 8_1

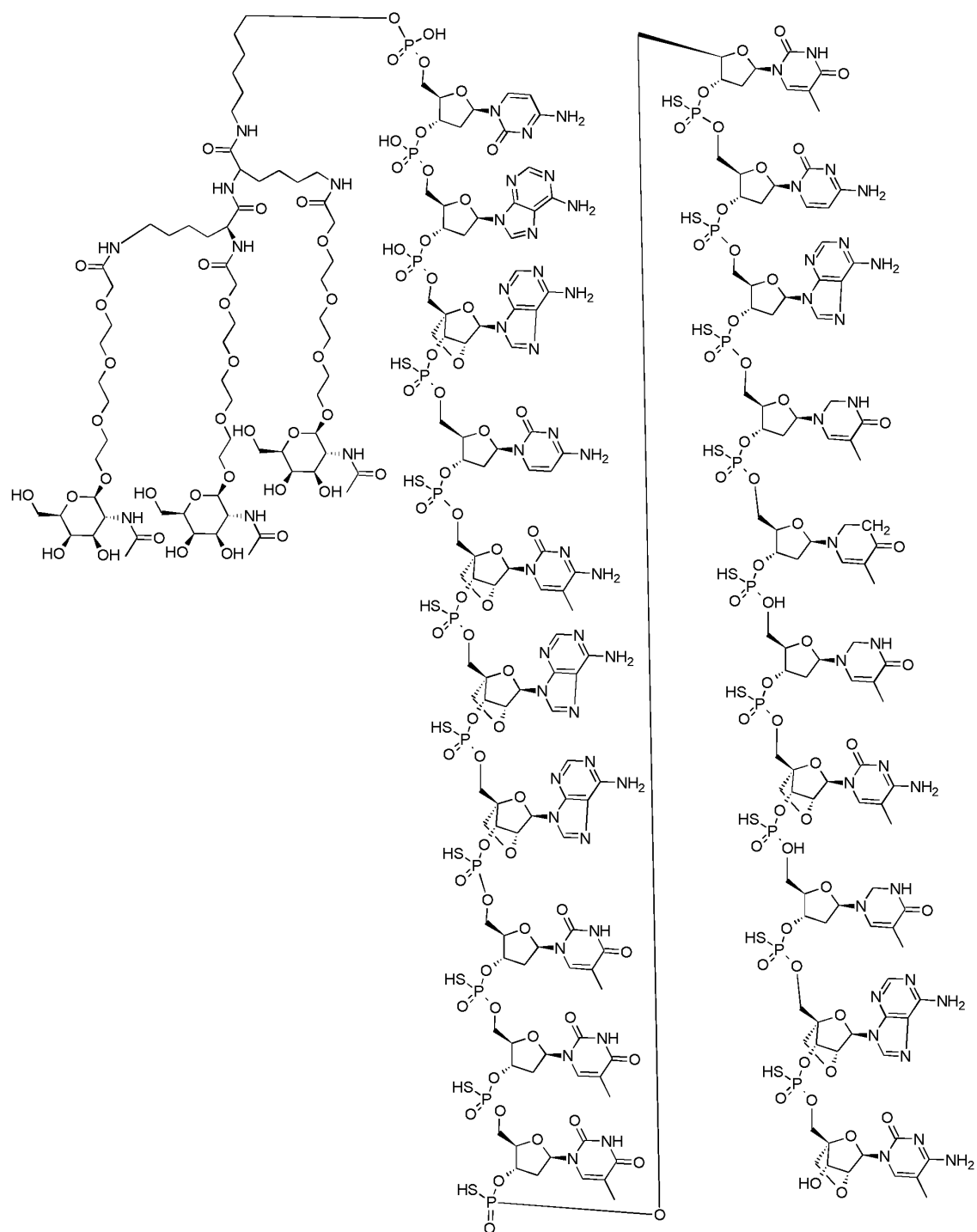


Fig. 8_1A

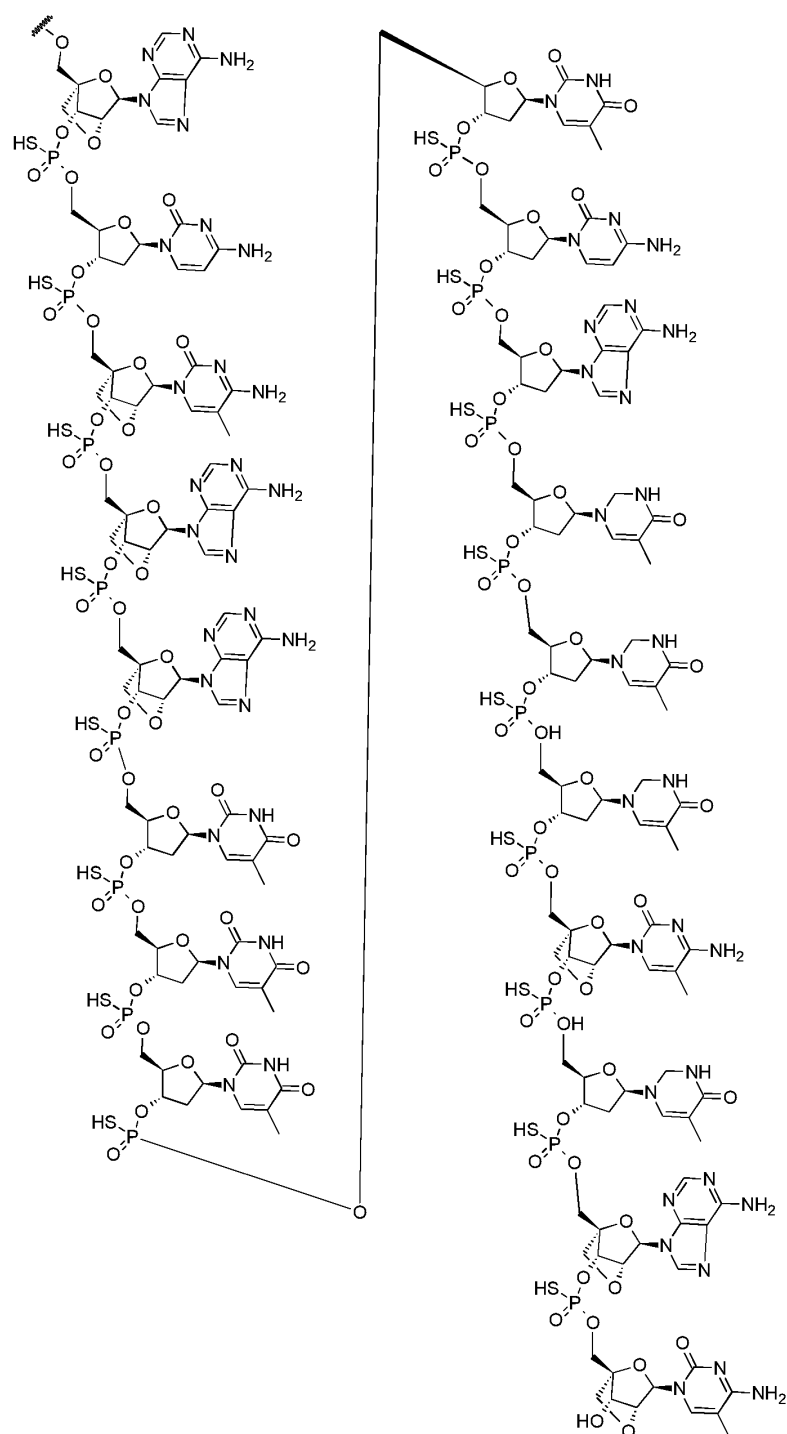
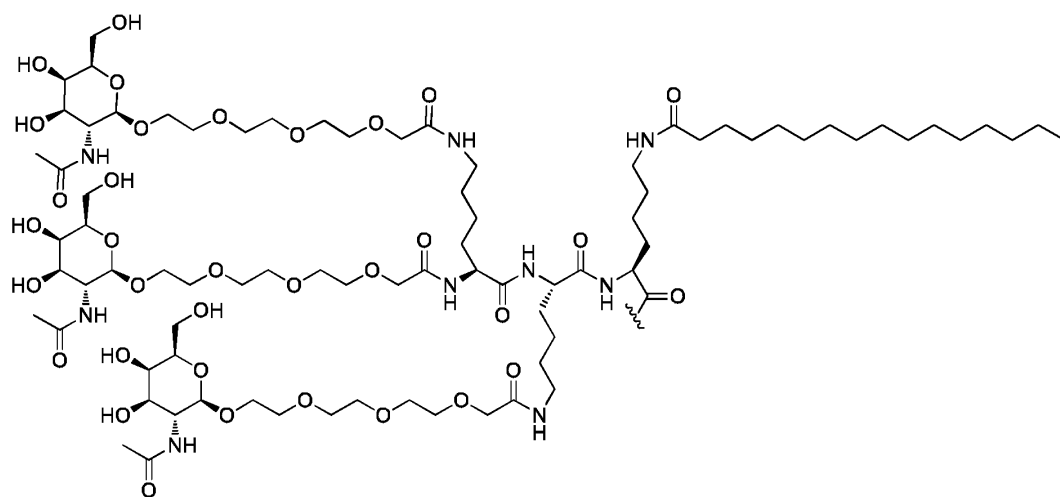


Fig. 9

A1



A2

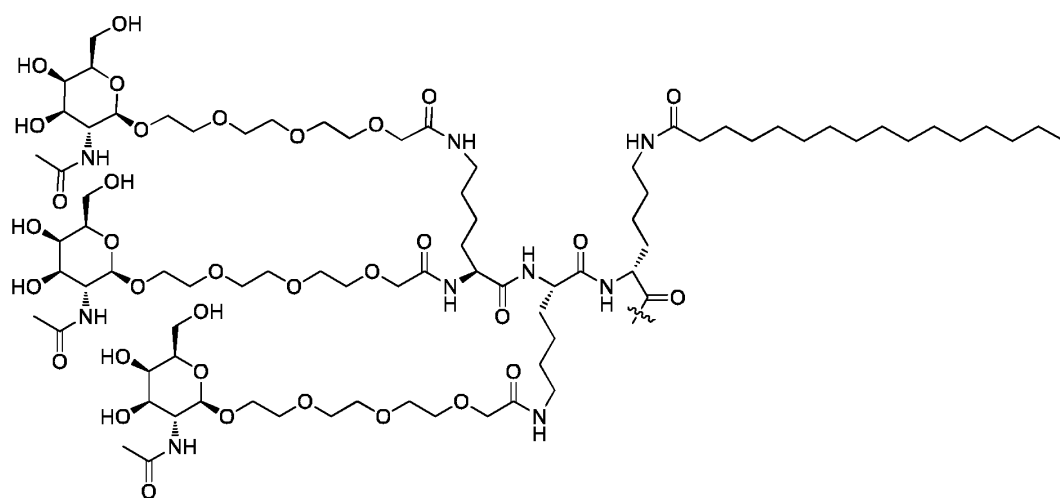
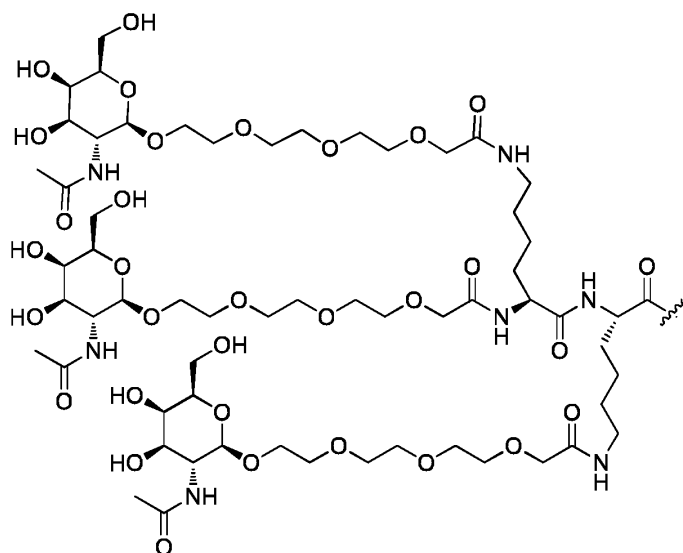


Fig. 9 (Cont.)

B1



B2

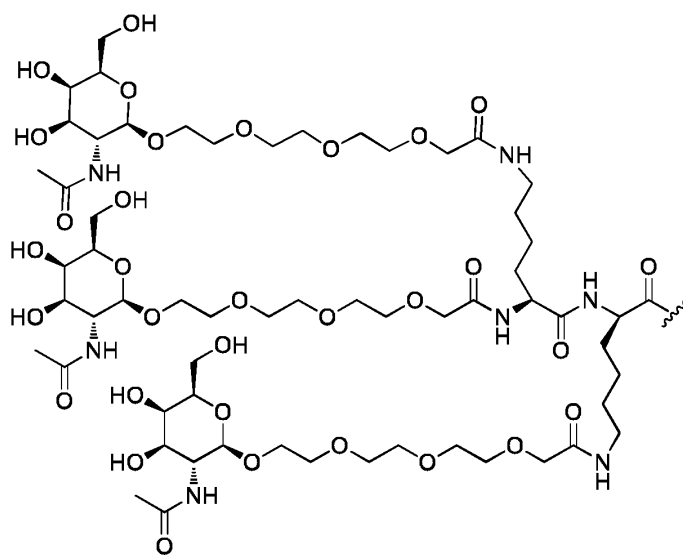
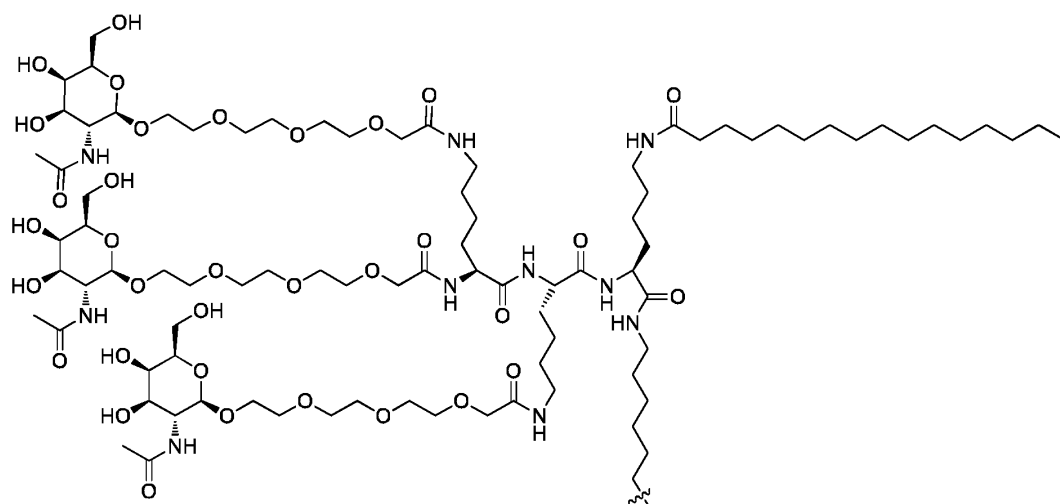


Fig. 9 (Cont.)

C1



C2

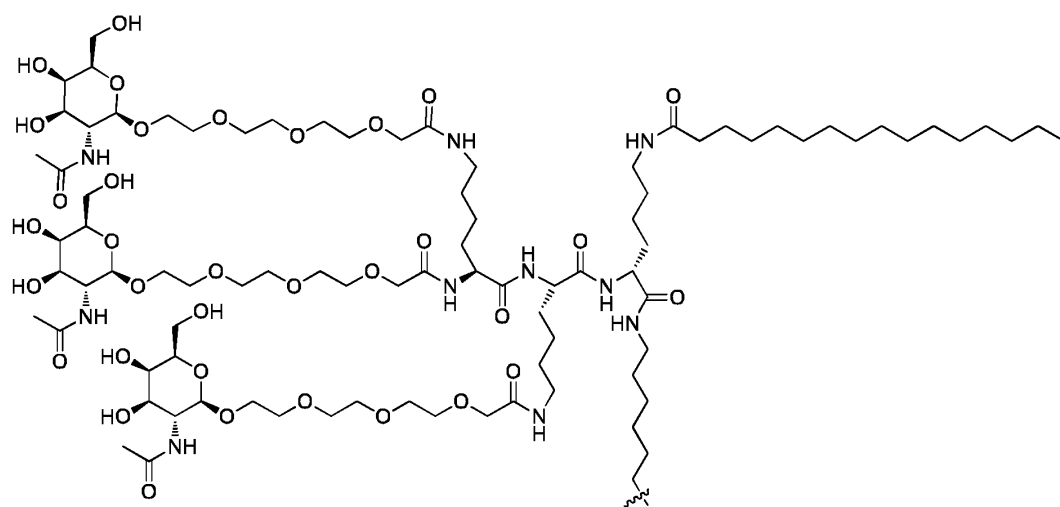
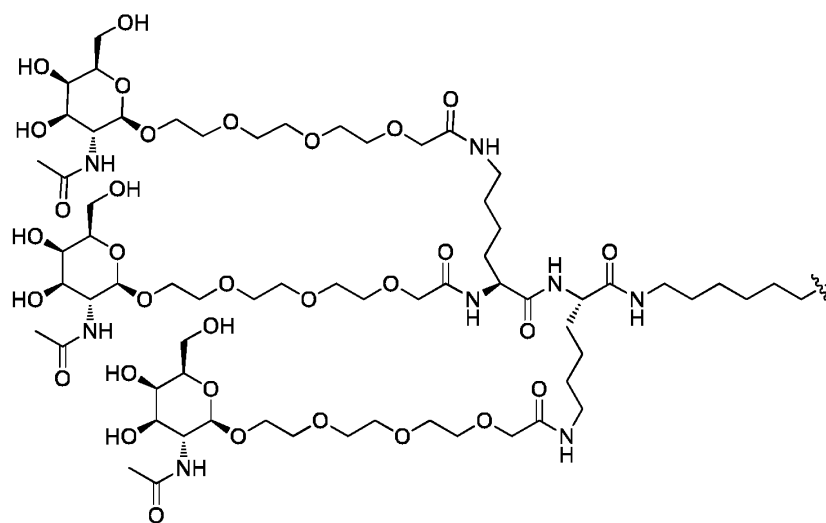


Fig. 9 (Cont.)

D1



D2

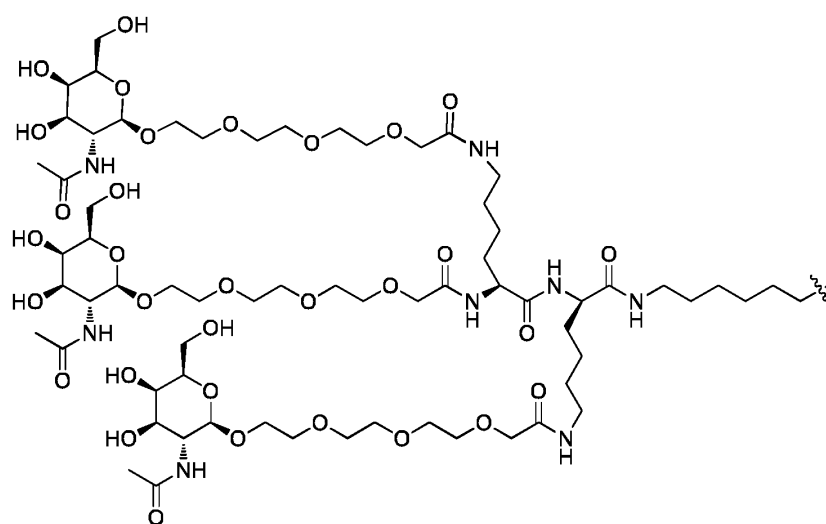
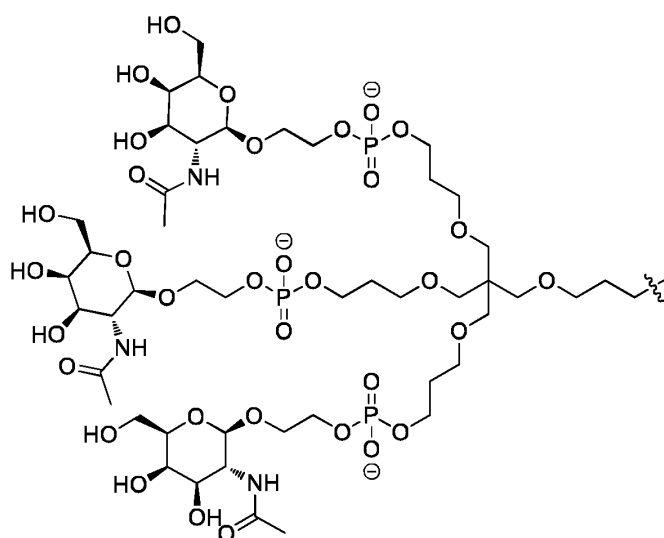


Fig. 9 (Cont.)

E1



F1

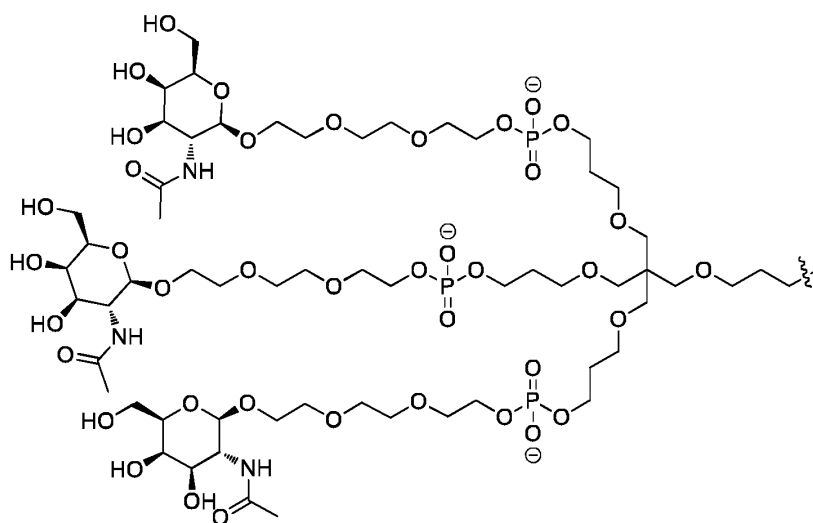
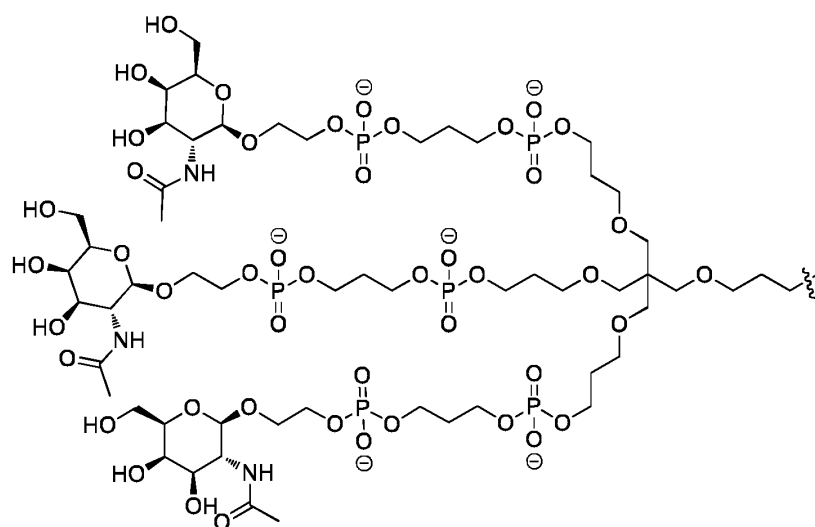


Fig. 9 (Cont.)

G1



H1

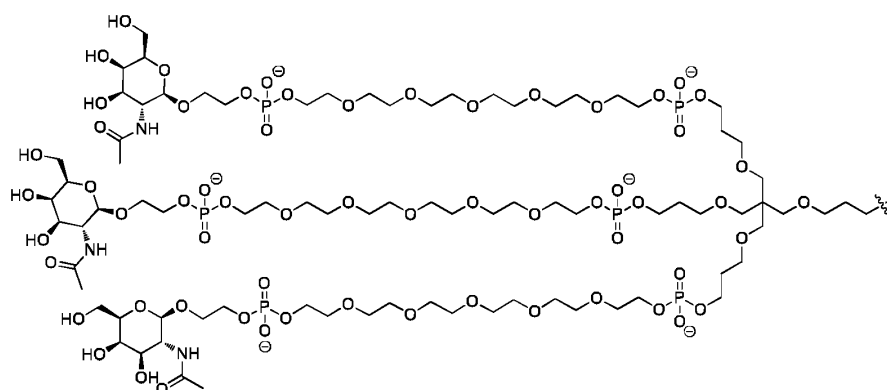
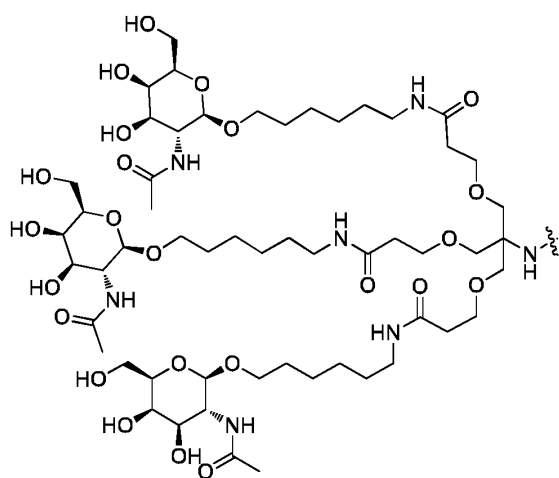


Fig. 9 (Cont.)

I1



J1

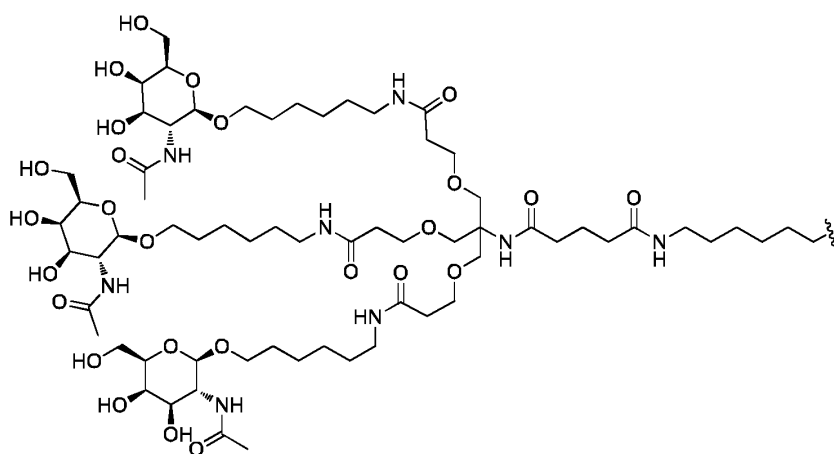


Fig. 9 (Cont.)

L1

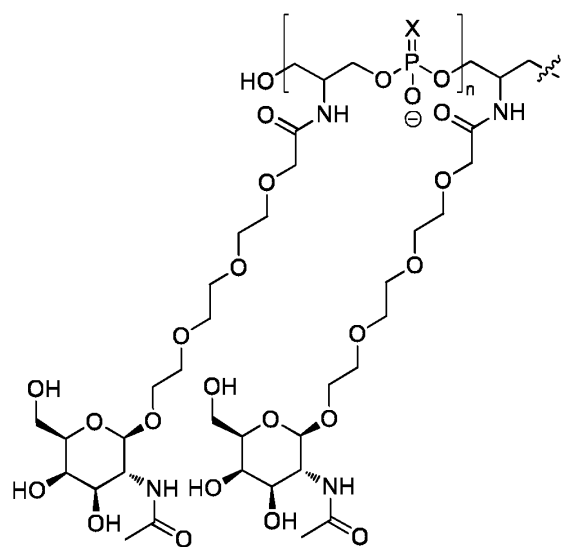


Fig. 9 (Cont.)

L2

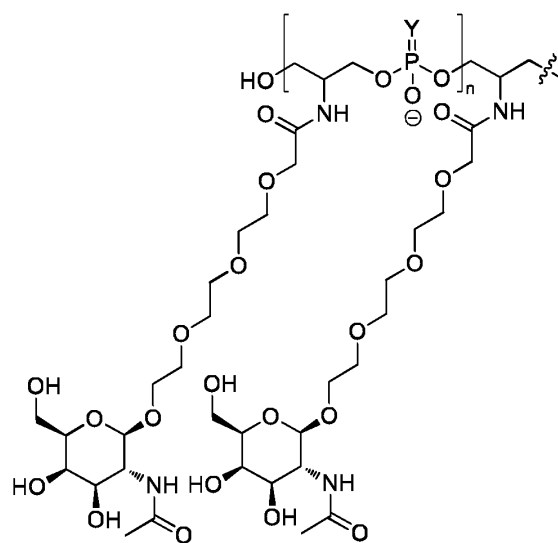
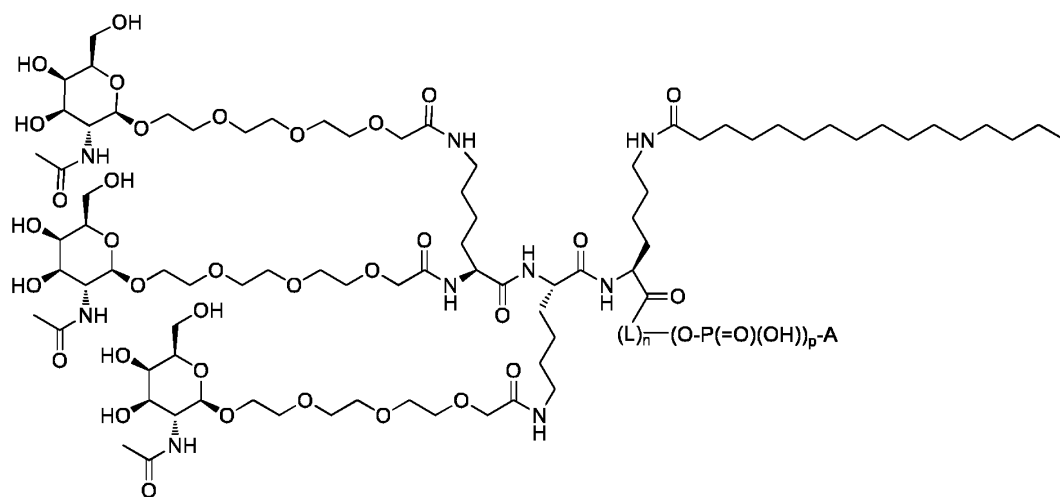


Fig. 10 (Compounds)

A1



A2

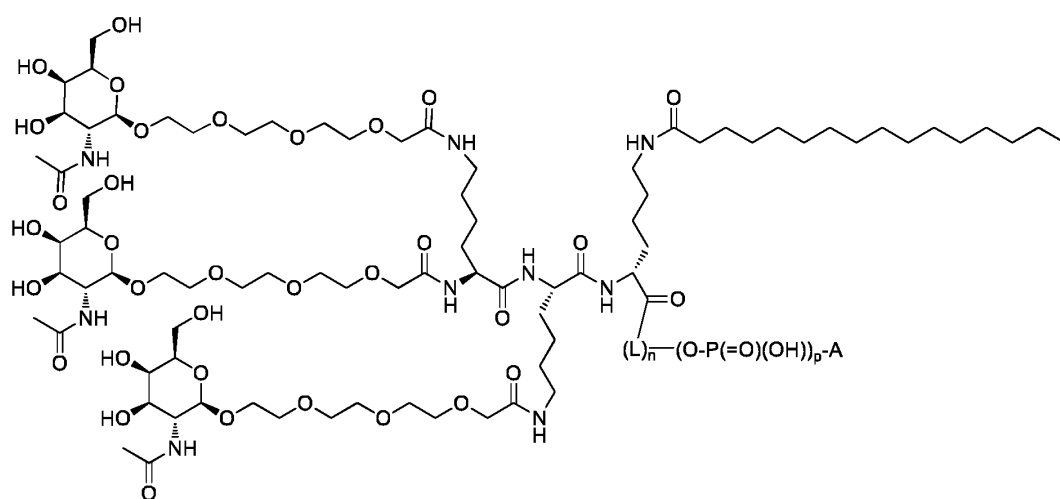
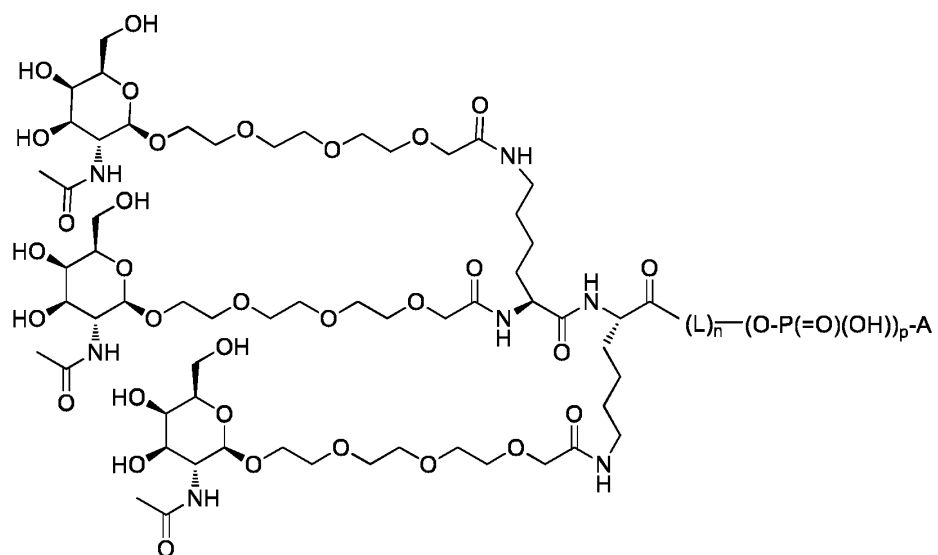


Fig. 10 (Cont.)

B1



B2

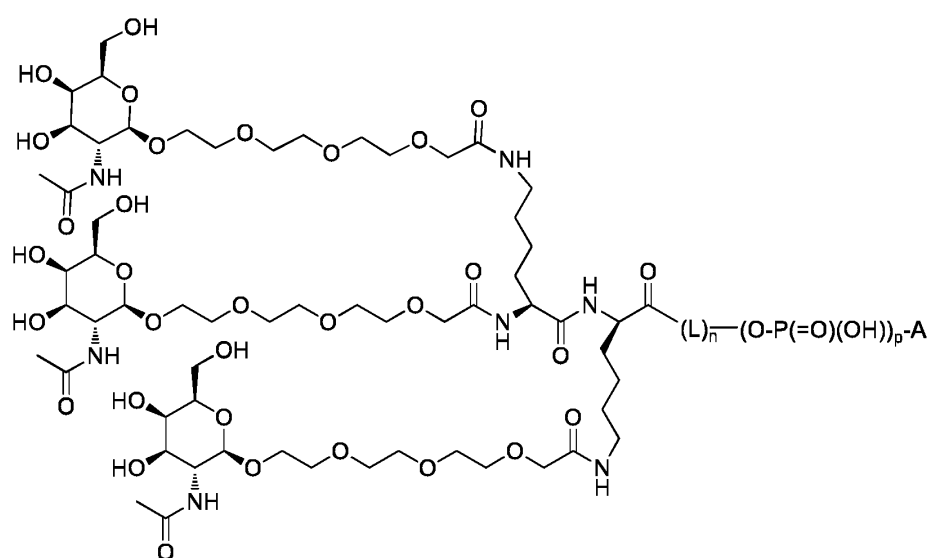
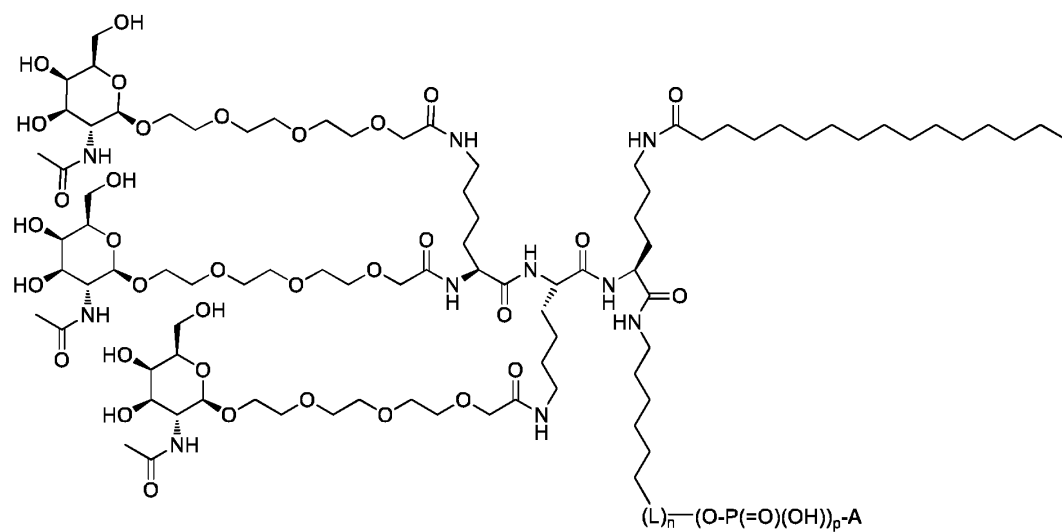


Fig. 10 (Cont.)

C1



C2

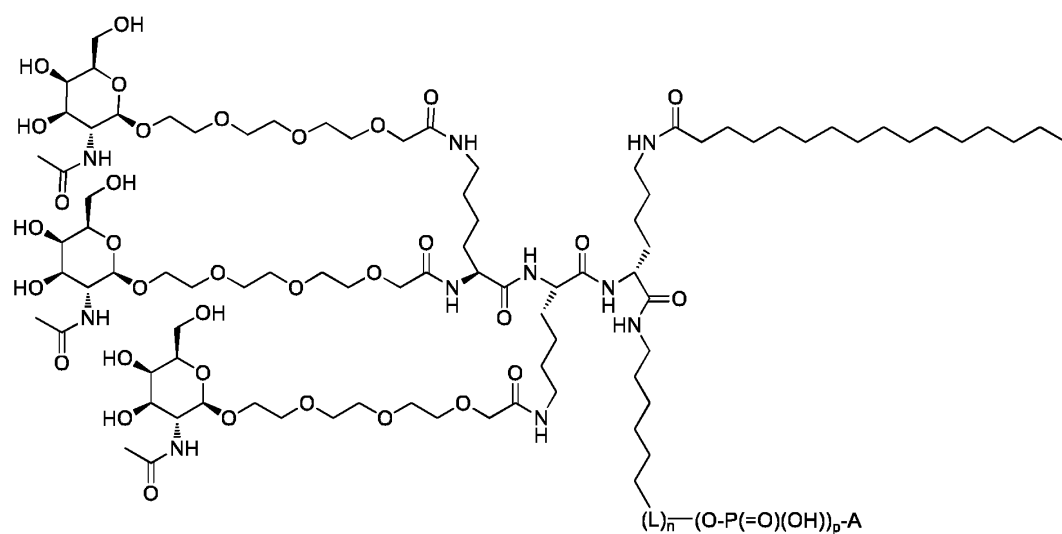
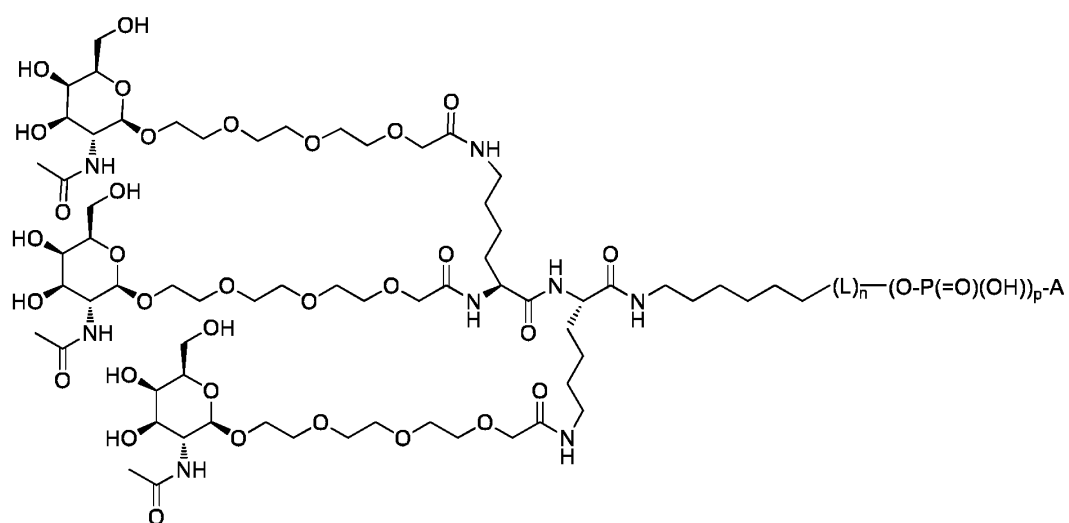
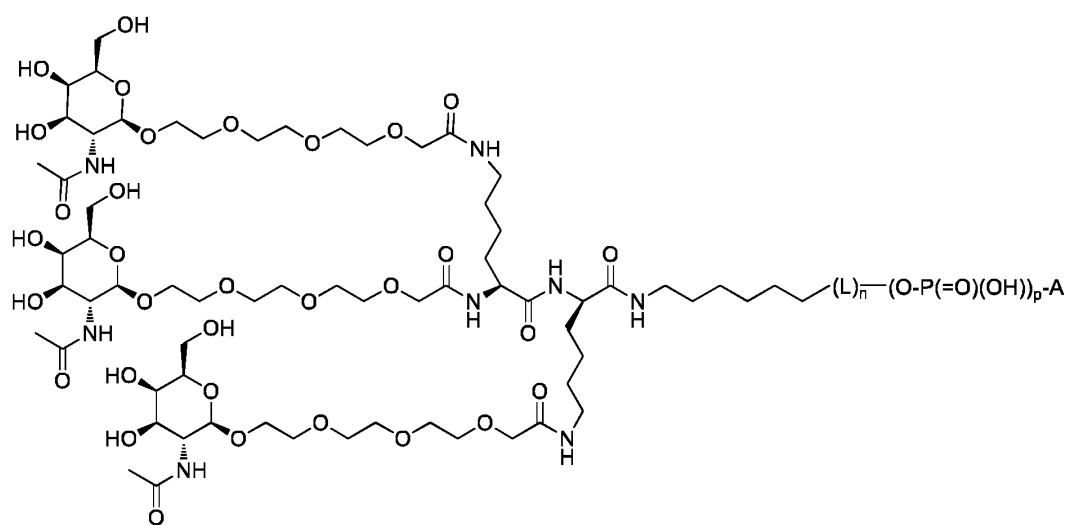


Fig. 10 (Cont.)

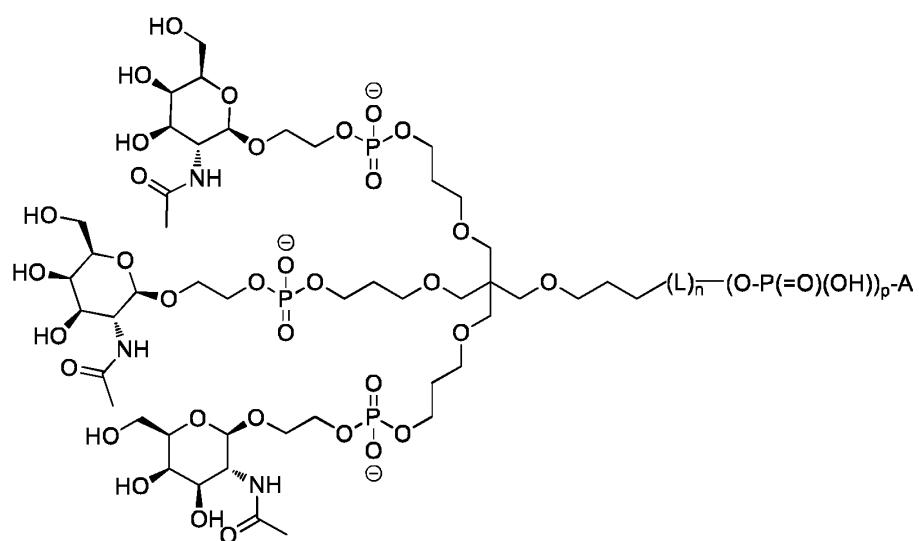
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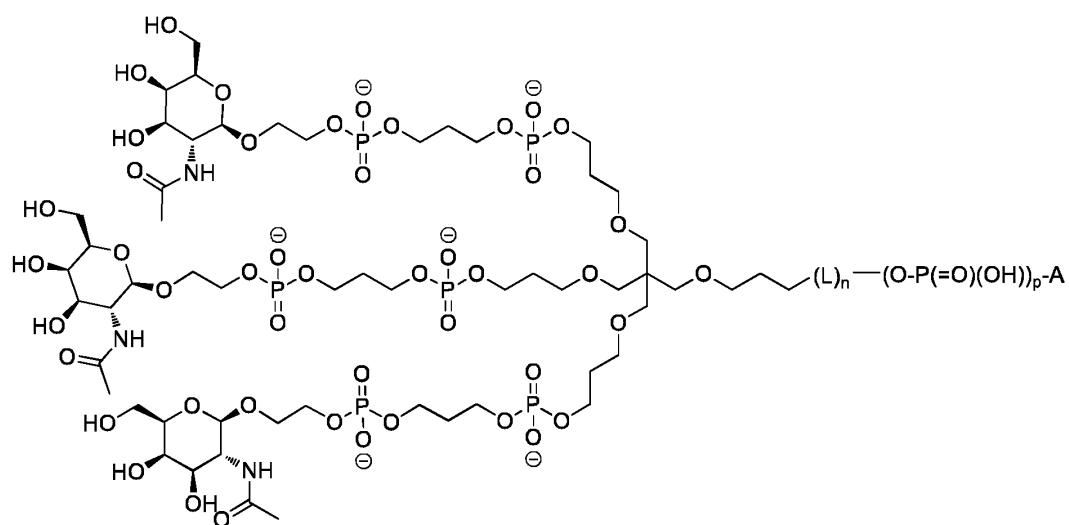
D2



E1

[illegible]

G1



H1

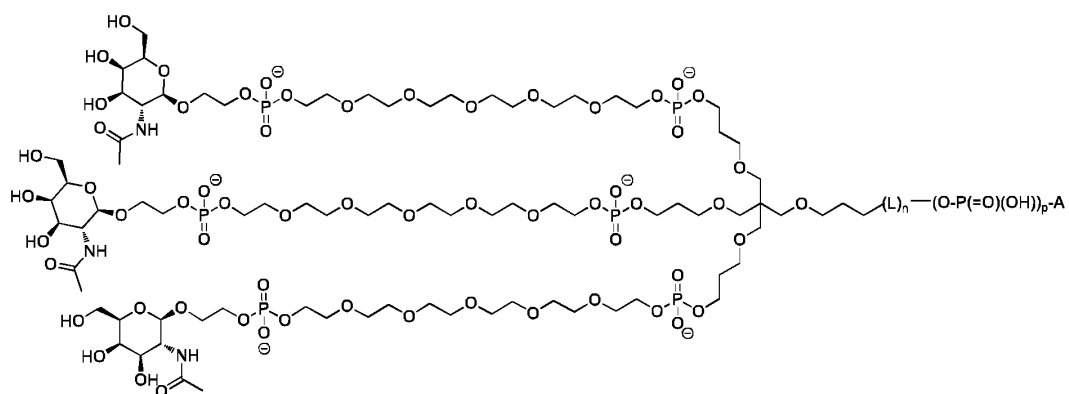
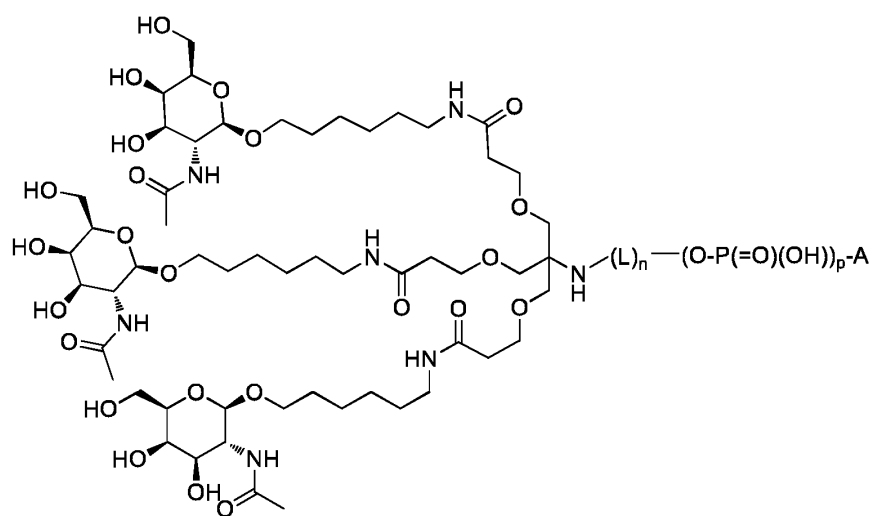


Fig. 10 (Cont.)

I1



J1

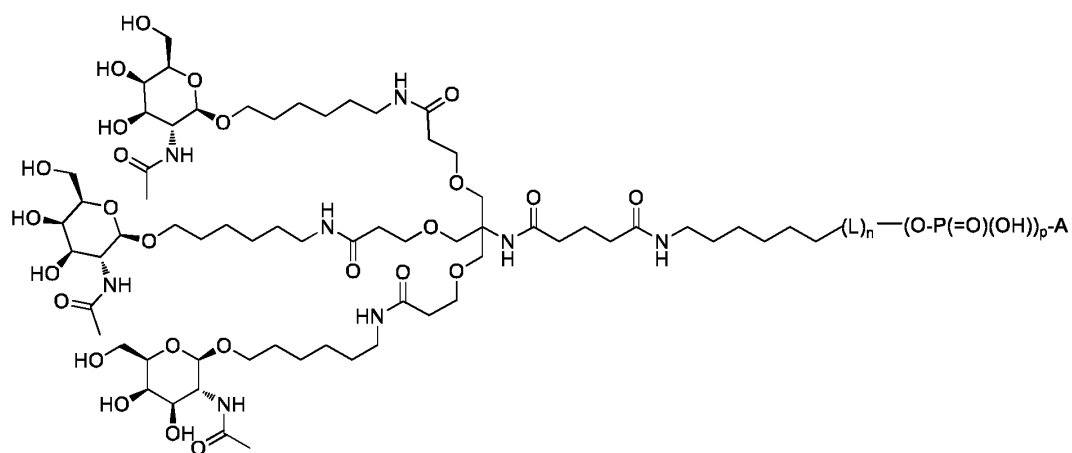
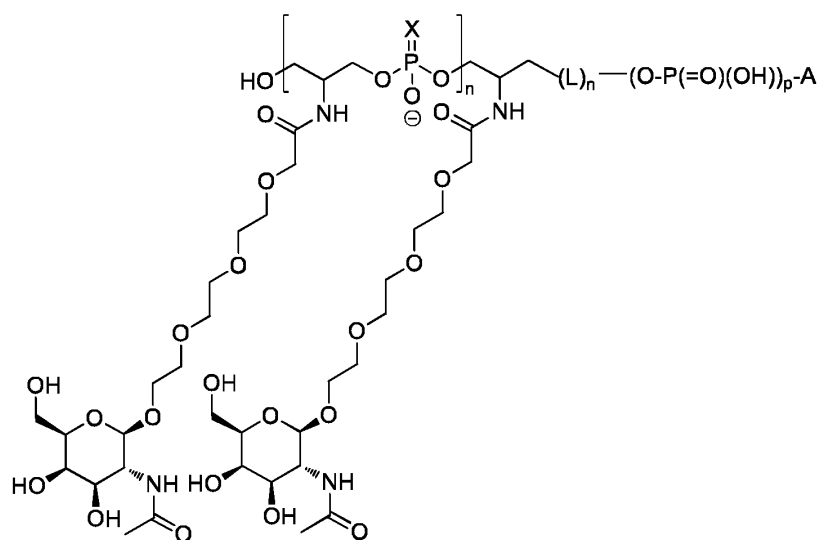


Fig. 10 (Cont.)

L1



L2

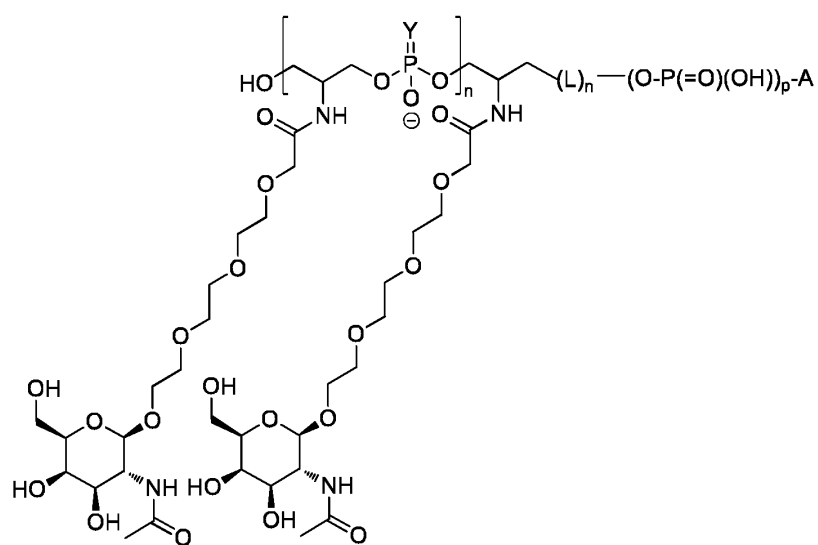


Fig. 11

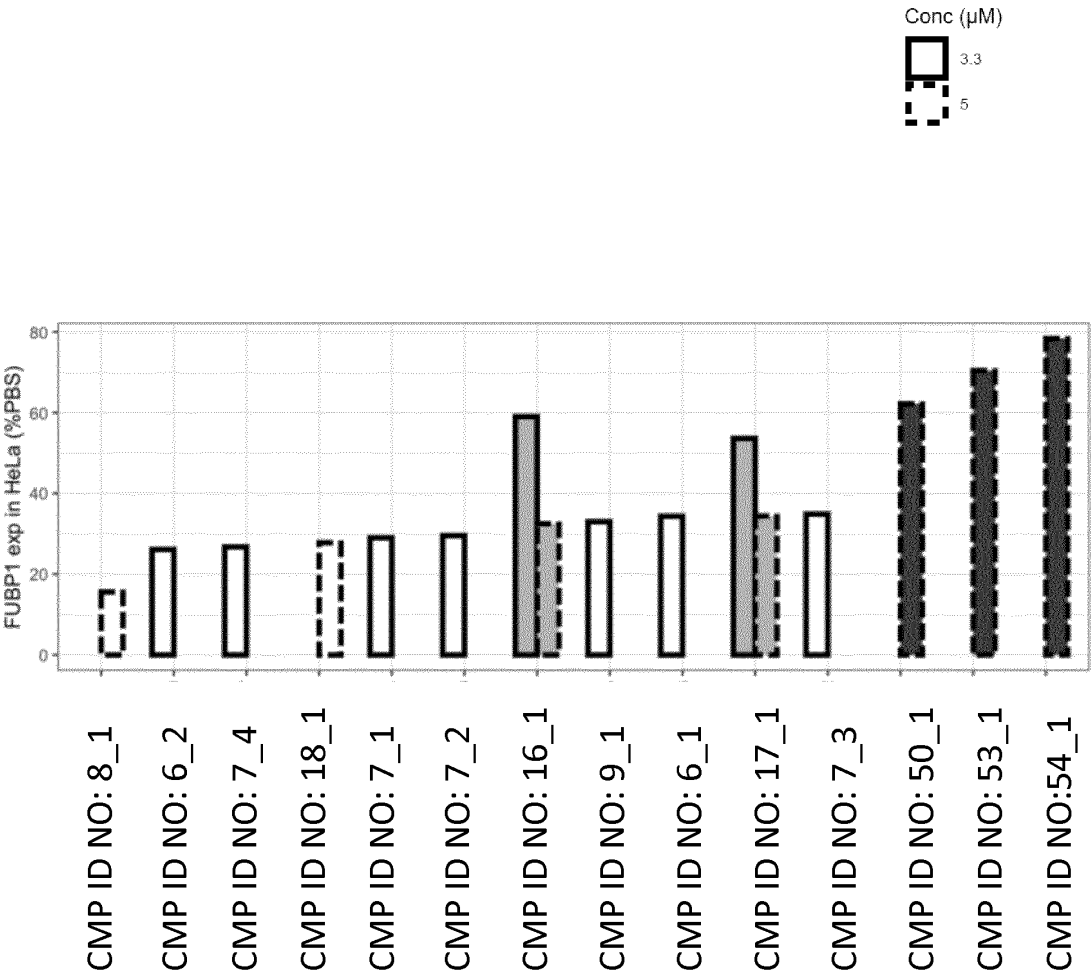


Fig. 12

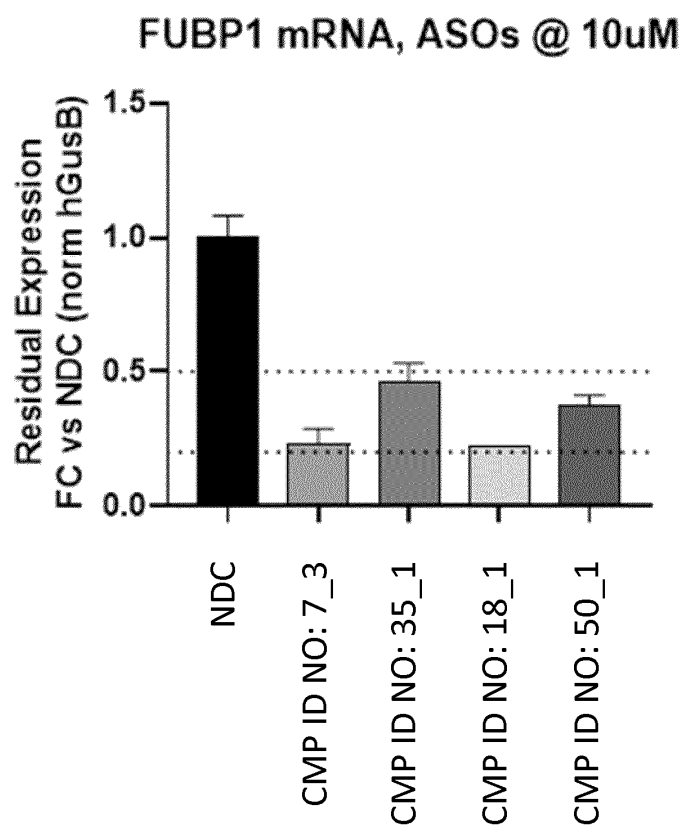


Fig. 13

