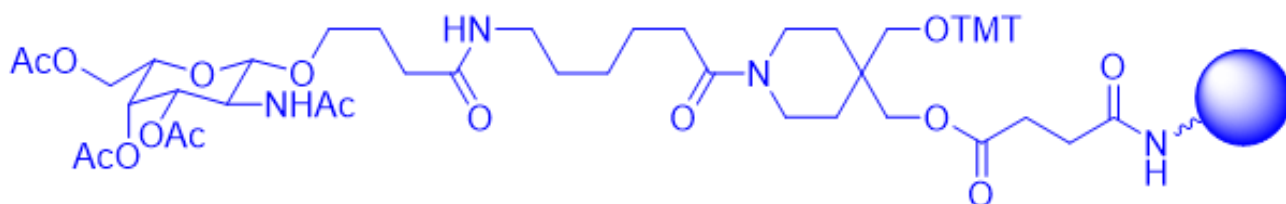


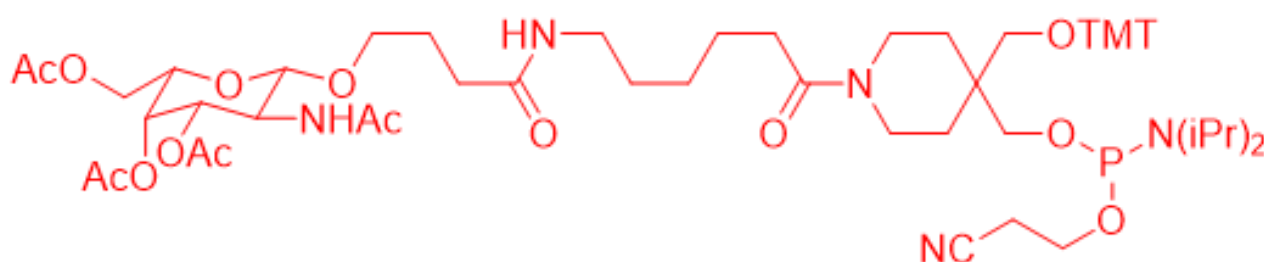
Sequential Couplings Yield Trivalent GalNAc-oligo Conjugate

3 GalNAc Cluster at 3'-end DEMO

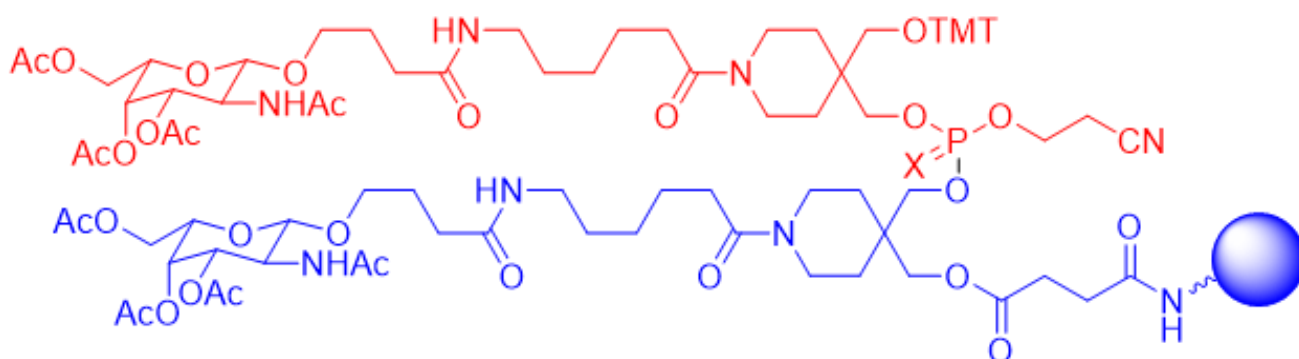
p/n: 61211 - 61214



① Couple with GalNAc phosphoramidite with p/n: 51210



② Oxidation (X=O) or sulfurization (X=S) with p/n: 30000



③ A. One more coupling cycle with GalNAc phosphoramidite, p/n: 51210
B. Assembly of the desired oligonucleotide
C. Basic deprotection

