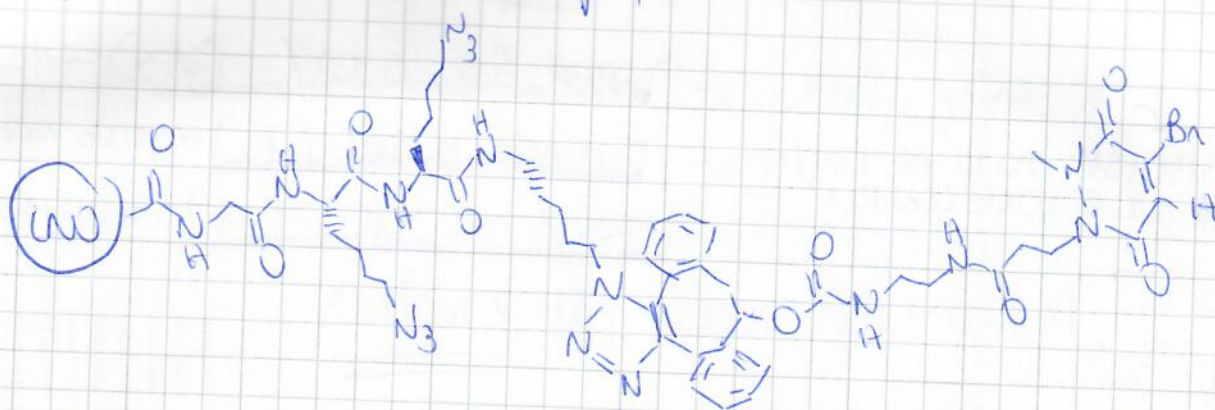


first fold, then reduce

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- LNO@Tallys - linker functionalization with SH- aptamer
(and - control: LNO@Tallys)



+ SH-Aptamer

Protocol:

(A) → 0.5 mg NPs (dry pellet): A5375.

(B) → - control → 0.5 mg LNO@Tallys (A5373) → 100 μ l of 5 mg/ml

Prepare aptamer beforehand:

Aliq + 10 μ l : 1 nmol.

• Functionalization on 0.5 mg NPs → 0.5 nmol aptamer.

first:

(1) folding: heat 90°C 5 min, then at 15 min

Take the 100 μ M aliquot → 10 μ l + 40 μ l PBS + 1 mM MgCl₂

(2) Reduction: 20 μ M aptamer.

To this 50 μ l sol, add 50 μ l (1:1) Tris 4 mM

so that I have tot 100 μ l: apt → 10 μ l → 200x fold excess

Incubate $\leq$ 2h, rt (1500 rpm)

ependrof shaker

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