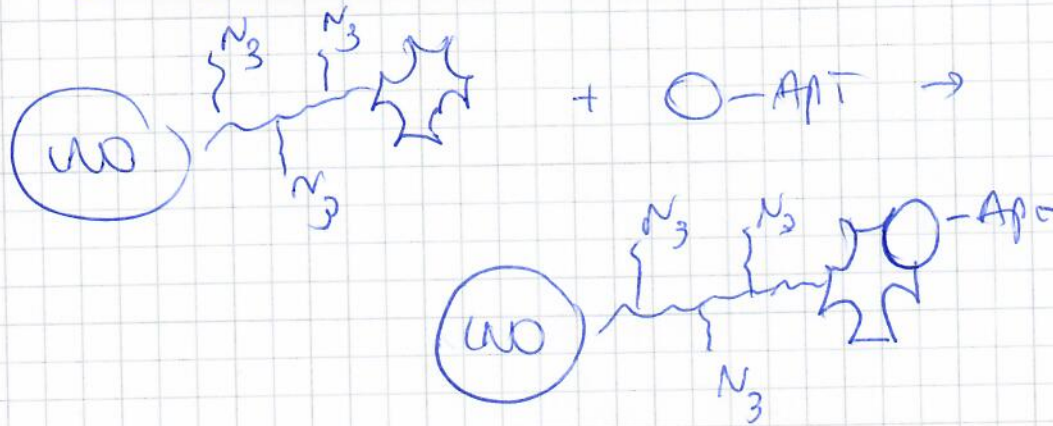


Continued from page:

- Bio-Apt conjugation:

Protocol:

0.5 mg NP (AS450, take 0.25 ml, + control) and uo@Tallys (AS444, 0.5 mg, 100 µl stock, - control) were suspended in PBS 0.1x.

Bio-Apt (0.5 nmol), after heat/cool cycle, was added (10 + 90 µl PBS + 1 mM HgCl₂ → 10 µl + control, 80 µl - control)

stirred for 2h, at

Washes: Tween to 0.01% (x)
Hyponat buffer (x)
PBS + 1 mM HgCl₂ (x)

→ Resusp. in PBS + 1 mM HgCl₂ (in 0.25 ml)

DLV results:

PBS: 128.9 ± 25.3 nm (PDI: 0.3)

DMA: 367.4 ± 50.2 nm (PDI: 0.4)

pH 7: -25.1 ± 1.3 mV

pH 3: -13.26 ± 1.9 mV

PBS: 97.6 ± 1.5 nm (PDI: 0.1)

DMA: 184.2 ± 5.8 nm (PDI: 0.19)

pH 7: -33.1 ± 0.2 mV

pH 3: -14.7 ± 2.7 mV