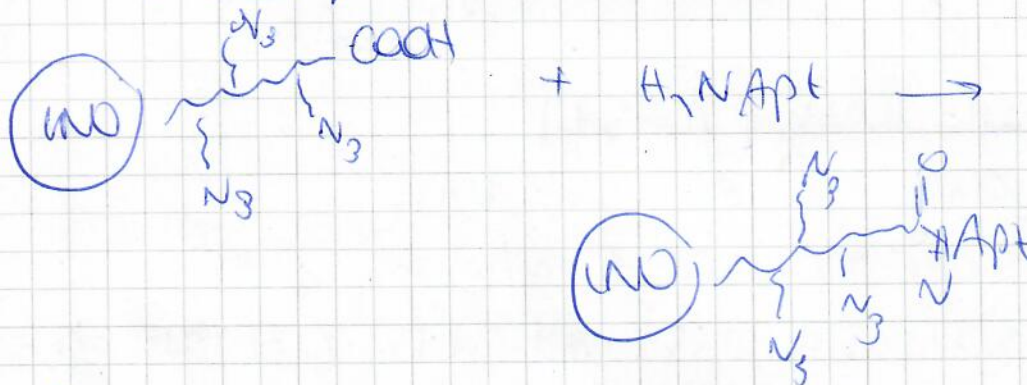


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- $n=2$ internalization array for collabs

UNO@Apt



Protocol:

1.5 mg UNO@Taly s (AS459, 300 μ l, 5 mg/ml) washed in HES buffer 0.1 M (pH 5.8). Beads were resuspended in HES buffer. NPs were incubated with EDC (400 mM, 62.1 g/L, 150 μ l) and sulfo-NHS (100 mM, 21.7 g/L, 150 μ l) at rt. 1.5 nmol apt (15 μ l aliquot + 85 μ l PBS + 1 mM $HgCl_2$) $\rightarrow$ 100 μ l tot was added to the NPs solution for 1 h at (1800 rpm) $\rightarrow$ After heating + cooling.

Washes:

- Tween 20 0.01% (1x)
- Hybrid buffer (1x)
- PBS + 1 mM $HgCl_2$ (1x)

DLS results:

PBS: 124.2 ± 15.2 nm (PDI: 0.13)

OMA: 339.9 ± 40.3 nm (PDI: 0.18)

pH 7: -38.4 ± 1.9 mV

pH 3: -29.8 ± 7.3 mV

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