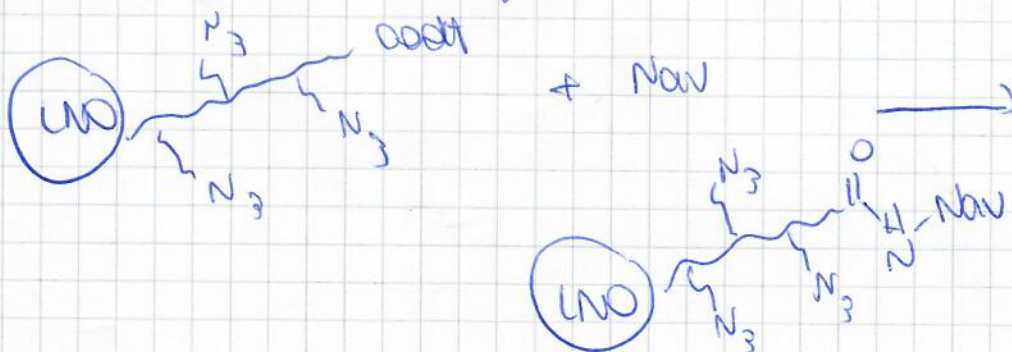


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- Nav-Bio Apr conjugation (// between Bio Apr and Bio Apr-Cys) of LNO catalyst (AS417)



Protocol:

1.5 mg ^{instead of 1 mg} LNO@ Talyr (AS 417, 300 μ L, 5 mg/mL) $\rightarrow$ washed with 0.1 M MES (pH 5.8). Beaker was resuspended in MES. MP incubated with EDC (400 mL, 62.1 g/L, 150 μ L in MES ^{everything}) and sulfo-NHS (100 mL, 21.7 g/L, 150 μ L in MES). 37.5 μ L Nav in PBS (pH 7.4) at a conc of 0.5 mg/mL was added and the sol was incubated for (2h) at (RT).

Washes:

- MES (1X)

- Tween 20 0.01% (1X)

- PBS (1X)

Resusp in 15.75 mL $\rightarrow$ take 0.25 mL and 0.25 mL for (2 mg/mL) A+ and B+.

DLS results:

1 have left 0.25 mL (that contain 0.5 mg)

PBS: 132.2 ± 8.9 nm (PDI: 0.191)

OMA: 168.0 ± 7.1 nm (PDI: 0.16)

pH 7: -32.0 ± 4.1 mV

pH 3: -17.4 ± 3.7 mV

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