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Functionalization of LNO-N₃ with OIBO-ELA

- suspend LNO-N₃ (2mg) in EtOH (1mL) and DMF (1mL) $\Rightarrow$ from AG-248
- prepare 10 mM of OIBO-ELA (in DMF)
 $\hookrightarrow$ add 40 μ L (= 232.2 μ g, 0.4 μ mol) to LNO suspension
- shake 24h at 50°C (thermoshaker)
- centrifuge, wash with DMF (1mL) and EtOH (3 $\times$ 1mL)
- recover supernatant, evaporate and redissolve in DMF (50 μ L) + EtOH (3.95 mL)
- quantify against std of OIBO-ELA in EtOH $\rightarrow$ 10, 25, 50, 100, 250, 500 μ M

Results:

- DLS = 176.9 ± 2.7 nm

- 0.115 PDI

- -38.1 ± 2.6 mV

- quanti: 18.5 % grafted

- 38 nmol / mg of LNO

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