

Continued from page:

Functionalization of LNO-N₃ with DIBO-CH-ECA

↳ on 2 batches of AG102

- suspend LNO-N₃ (2mg) in EtOH (1mL) and DMF (1mL)
- prepare 10mM of DIBO-CH-ECA in DMSO
↳ add 40 μ L (= 312.4 μ g, 0.4 μ mol) to LNO suspension
- sonicate for 16h (40-60°C) under argon
- centrifuge, wash with DMF (1mL) and EtOH (3 x 1mL)
- recover supernatant, evaporate and redissolve in DMF (50 μ L) + EtOH (3.95 mL)
- quantify against std of DIBO-CH-ECA in EtOH

Results: • DLS = 179.2 ± 4.4 nm

PdI 0.09

 -40.8 ± 1.4 mV

• 13.6 % grafted

 $\Rightarrow 27$ μ mol / mg of LNO

Continued to page:

24.11.20

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