

Electronic Supplementary Information

for

Rieche formylation of carbon nanotubes – one-step and versatile functionalization route

by

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Synthesis of in-house MWCNTs

In-house MWCNTs were synthesised via c-CVD at 760 °C with a feedstock continuously injected to a preheater at 250 °C. The main carbon source was toluene while catalyst precursor was FeCp₂ (5.5% wt.%). The carrier gas was Ar with the flow-rate of 1.8 L/min. The feedstock was dosed for 4 h at the rate 2.8 mL/h.

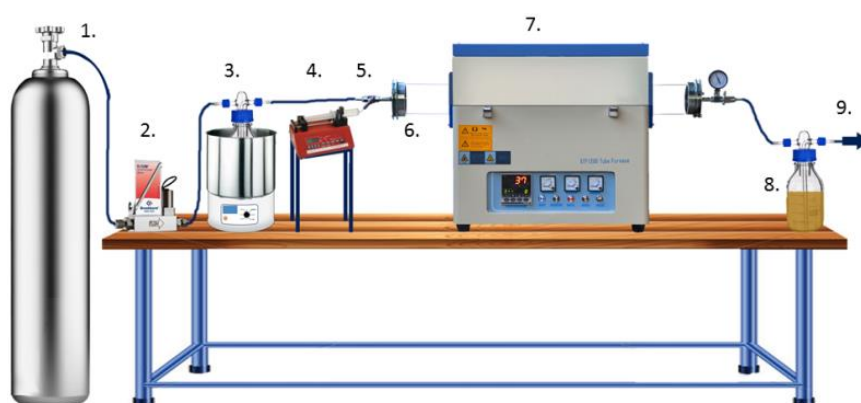


Fig. S1. Synthesis of in-house MWCNTs: 1) Ar cylinder, 2) flow-mass controller, 3) pre-heater, 4) syringe, 5) feedstock injection, 6) quartz tube, 7) furnace, 8) rinser, 9) exhausts to fume hood.