

Materials List for:

# Synthesis and Exfoliation of Discotic Zirconium Phosphates to Obtain Colloidal Liquid Crystals

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## Materials

Name	Company	Catalog Number	Comments
<b>Material</b>			
Zirconyl Chloride Octahydrate	Fischer Scientific (Acros Organics)	AC20837-5000	98% +
o-Phosphoric Acid	Fischer Scientific	A242-1	≥ 85%
Tetra Butyl Ammonium Hydroxide	Acros Organics (Acros Organics)	AC176610025	40% wt. (1.5 M)
<b>Equipment</b>			
Reaction Oven	Fischer Scientific	CL2 centrifuge	Isotemperature Oven (Temperature up to 350 °C)
Centrifuge	Thermo Scientific	Not Available	Rotation Speed: 100 - 4,000 rpm
Microwave Reactor	CEM Corporation	Discover and Explorer SP	Temp. up to 300 °C, power up to 300 W, pressure up to 30 bar