

Materials List for:

Amide Coupling Reaction for the Synthesis of Bispyridine-based Ligands and Their Complexation to Platinum as Dinuclear Anticancer Agents

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Materials

Name	Company	Catalog Number	Comments
D ₂ O	Aldrich	151882	99.9% D
DMSO-d ₆	Aldrich	156914	99.96% D
1,8-diaminooctane	Aldrich	D22401	98%
1,10-diaminodecane	Aldrich	D14204	98%
1,12-diaminododecane	Aldrich	D1,640-1	98%
Isonicotinic acid	Aldrich	I17508	99%
1-Propylphosphonic anhydride solution	Aldrich	431303	50 wt% in ethyl acetate
Trans-diaminodichloridoplatinum(II)	Aldrich	P1525	
Dimethylsulfoxide	Sigma-Aldrich	Z76855	>99.9%, anhydrous
<i>N,N'</i> -dimethylformamide	Sigma-Aldrich	227056	99.8%, anhydrous
Triethylamine	Sigma-Aldrich	T0886	>99%
Nylon filter membranes	Whatman	7402-004	Pore size, 0.2 μm
Magnetic stirring hotplate			
Magnetic stirring bar			
Round bottom or three neck flask			
Rubber septums of sufficient size for chosen round bottom or three neck flask			
5 ml hypodermic syringes			
Hypodermic needles			
Rubber party ballons			
Rubber bands			
A source of N ₂ gas			
Rotary evaporator			
Drying oven			
NMR tubes			
NMR spectrometer			
500 ml beakers			
Glass or plastic pipettes			