

Post-Laboratory Report
Unit 5/6M: Formation of Hexaphenylstannole
(Last updated 10/04)

Name _____

1. Write an equation for the reaction you performed:

2. Physical data

What solvent system did you use for your TLC analysis? _____

Complete the following table. Record masses to the nearest 0.1 mg. Record R_f values to two decimal places. Record the melting point range of your sample of stilbene(s).

Compound	MW	mass, mg	mmol	R_f	mp/bp	lit. value
zirconocene dichloride					-----	-----
diphenylacetylene				-----	----	----
diphenyltin(IV) dichloride						
hexaphenylstannole						

3. What was the percent yield of hexaphenylstannole in your reaction? _____ %

4. Spectral data.

A. Attach your IR spectrum to this sheet.

B. Attach your NMR spectrum to this sheet.

C. Attach your fluorescence spectrum to this sheet.

5. Attach a concise, detailed description of the procedure you used in this experiment.

This must be typewritten.