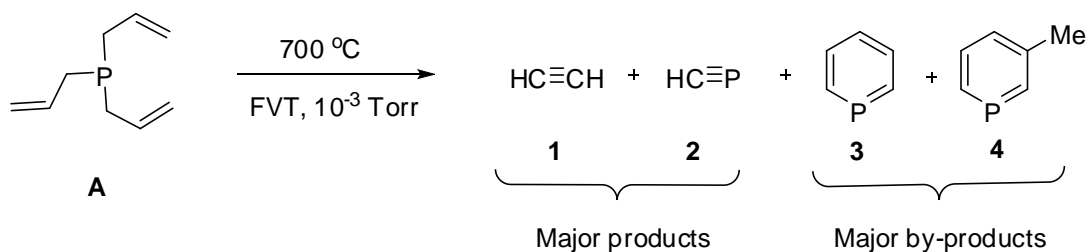


Submitted by Sankar

Compound **A** on Flash Vacuum Thermolysis (FVT) afforded compounds as shown in the **scheme 1** below.

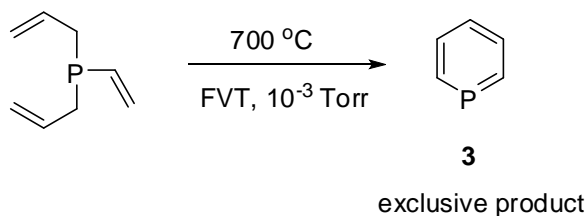


**Scheme 1**

**Problems:**

1. Write a plausible mechanism for the formation of major products 1,2 and major by-products 3,4

In order to make compound **3** in high yield authors followed a slightly different route as shown below.



2. Write a plausible mechanism for the formation of **3**

Reference:

*J. Chem. Soc., Chem. Commun.*, **1993**, 1295.

