Synthesis of Perylenes

$$\begin{array}{c|c}
\hline
Oxidation \\
\hline
(V_2O_5)
\end{array}$$
Oxidation
$$\begin{array}{c}
OXIDATION \\
OXIDATION$$

NH
$$\frac{\text{KOH}}{\text{Air oxidation}}$$
 $\frac{\text{HN}}{\text{Air oxidation}}$ $\frac{\text{HN}}{\text$

→ RN

NR