1- Propose a suitable mechanism for the following transformation:

2- Determine the structure of [A] and Propose a suitable mechanism:

$$R \xrightarrow{O \\ N_3} OR' \xrightarrow{CH_2CI_2, TiCI_4/DIEA} [A] \xrightarrow{R'O \\ N \\ N \\ OR'} OR'$$