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 The so-called Hantzsch esters (dihydropyridines) became recently popular reducing agents for a number of different modern catalytic reductions.
Provide the appropriate starting materials to synthesize the shown product and indicate the mechanism.

$$\begin{array}{c|c} & \text{Me} \\ \text{EtO}_2\text{C} & \text{CO}_2\text{Et} \\ & \text{Ph} & \text{N} & \text{Ph} \\ & \text{H} & \end{array}$$

2. Illustrate the mechanism of a *Skraup*-quinoline synthesis using 4-Methoxyaniline as substrate.

The bis-oxazole 2 is accessed by a condensation reaction from a linear precursor 1. Show 1 and provide the mechanism and name for the reaction.