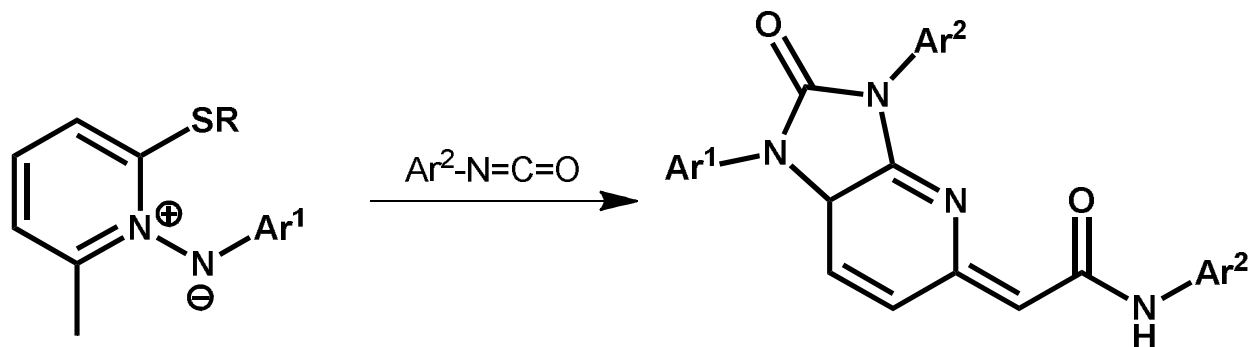


1. Provide a mechanism for the following transformation:



2. Provide a catalytic cycle for the following transformation:

