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Title:	Attempts on One-pot Multi-catalytic Strategy to Synthesise Tetrahydro- β -carboline
Authors:	Ravuf, Marva V Abdul
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Abstract:	β -carbolines belong to a class of N-heterocycles that displays a wide range of pharmaceutical properties. Our work was initially focused on the synthesis of tetrahydro- β -carboline based on a new methodology. However, on our attempts to synthesise beta-carboline, we were able to synthesise tetrahydrocyclopenta[b]indole in an interrupted Nazarov-cyclisation. Cyclopenta[b]indole belongs to a class of indoles known for their exquisite applications in industry and medicine. The peculiar feature in this reaction is that an amine acts as the interrupting nucleophile. We were able to synthesis tetrahydrocyclopenta[b]indole in good yield.
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