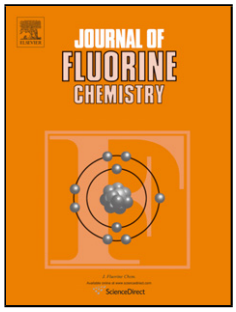

Title: A facile and efficient multicomponent approach to 5-[5-hydroxy- 3-(trifluoromethyl)-1*H*-pyrazol-4-yl]-5*H*-chromeno[2,3-*b*]pyridines

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A facile and efficient multicomponent approach to 5-[5-hydroxy- 3-(trifluoromethyl)-1*H*-pyrazol-4-yl]-5*H*-chromeno[2,3-*b*]pyridines

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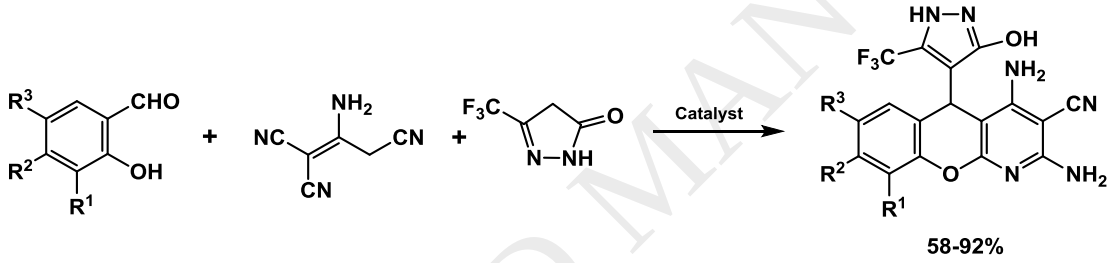
Graphical abstract



Highlights

- The new type of 3-trifluoromethyl-2-pyrazolin-5-one multicomponent transformation catalysed by pyridine or trimethylamine was found
- The new substituted 5-[5-hydroxy-3-(trifluoromethyl)-1*H*-pyrazol-4-yl]chromeno[2,3-*b*]pyridines were obtained
- This new multicomponent procedure utilizes simple equipment and it is easily carried out
- The trifluoromethyl group containing chromeno[2,3-*b*]pyridines are promising compounds for different biomedical applications

Abstract: The new multicomponent reaction has been found: the pyridine or triethylamine catalyzed multicomponent transformation of salicylaldehydes, 2-aminoprop-1-ene-1,1,3-