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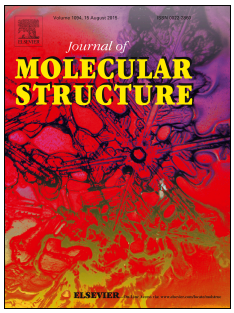


Synthesis, crystal structure, characterization and antifungal activity of 3,4-diaryl-*1H*-Pyrazoles derivatives

Jin Zhang, Da-Jin Tan, Tao Wang, Si-Si Jing, Yang Kang, Zun-Ting Zhang

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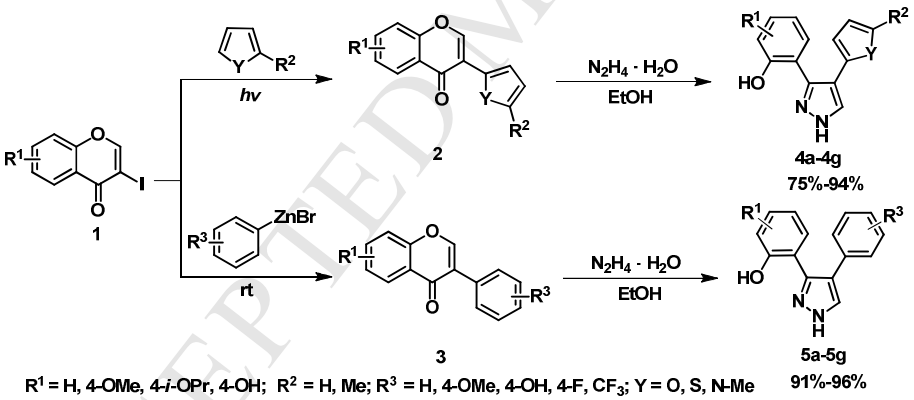
## Graphical abstract:

# Synthesis, Crystal Structure, Characterization and Antifungal Activity of Pyrazolo[1,5-*a*]pyrimidines Derivatives

Jin Zhang, Da-Jin Tan, Tao Wang, Si-Si Jing, Yang Kang and Zun-Ting Zhang*

Fourteen 3,4-diaryl-*1H*-pyrazoles (**4** and **5**) derivatives were designed and synthesized by the reaction of chromone with hydrazine hydrate in good yields. The synthesized compounds were characterized by the method of $^{1}$H NMR, $^{13}$C NMR, IR and HRMS and were evaluated their antifungal properties against five phytopathogenic fungi.

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