MICROWAVES FOR SYNTHESIS OF BIOACTIVE COMPOUNDS

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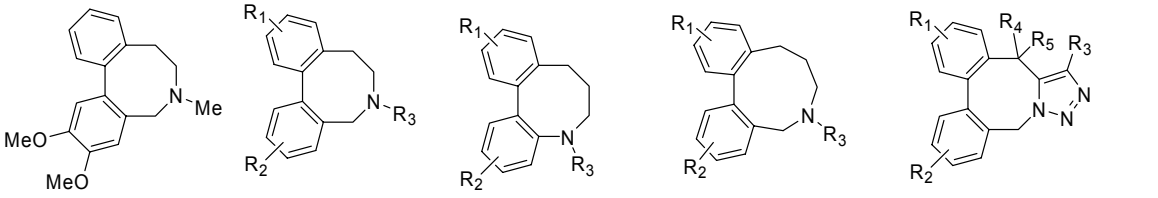
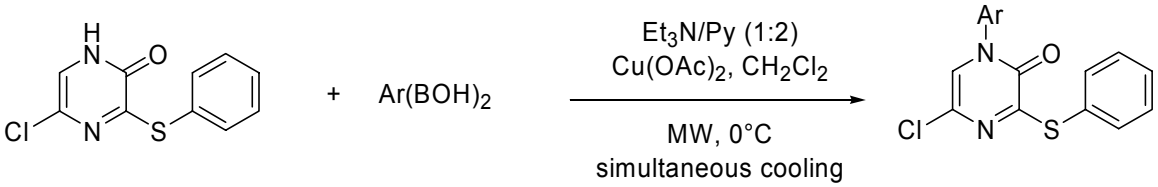
We will comment on the synthesis of some natural product analogues of Buflavine, Steganone and Steganacin, possessing an interesting biaryl skeleton fused with a medium sized ring. The beneficial effect of the application of microwave irradiation in the different steps, with emphasis on both key steps, the Suzuki biaryl coupling reaction and the Ring Closing Metathesis (RCM) reaction, will be discussed.[1-3]



In a second part of the lecture, the application of microwave irradiation for the decoration of the privileged scaffold of the 2(1*H*)-pyrazinones, will be demonstrated, with special emphasis on the effect of simultaneous cooling.[4,5]



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