HYBRID AND CHEMERIC AZAHETEROCYCLES: SYNTHESIS, APPLICATIONS AND NMR CONSIDERATIONS

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Azaheterocycles derivatives are invaluable scaffolds in modern chemistry, mostly because of their invaluable applications in agriculture (mostly as grow up factors, insecticides and herbicides), [1] medicine and pharmacy (possessing a large variety of biological activities such as antibacterial, antifungal, anti-inflammatory, anticancer, antihypertensive, anticoagulants, antidepressant, etc.),[2] opto-electronics (as electroluminescent and fluorescent materials, semiconductor devices, sensors, etc.) [3], etc. Polyphenols are natural and synthetic compounds of great interest in medicine, especially because of their antioxidant, antimicrobial and anticancer activity.[4]

In continuation of our continuous efforts in the field of azaheterocyclic derivatives, we present herein a thoroughly study concerning the synthesis, biological activity and some NMR and X-ray considerations of some hybrid and chimeric azaheterocycles derivatives

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