



## Antibacterial Activities of Two Pyran-annulated Heterocycles

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**SUMMARY.** Two novel pyran-annulated heterocycles (compounds 1 and 2) were synthesized and characterized via IR, <sup>1</sup>H NMR, HRMS, and single crystal X-ray crystallography. The *in vitro* antibacterial activities of the two compounds against one drug-sensitive *Staphylococcus aureus* (ATCC 29213) strain and three methicillin-resistant *S. aureus* (MRSA) strains (MRSA ATCC 700699, MRSA WPH 132, MRSA WPH 147) were evaluated by observing the minimum inhibitory concentration.

**RESUMEN.** Dos nuevos heterociclos piran-anillados (compuestos 1 y 2) fueron sintetizados y caracterizados por IR, <sup>1</sup>H NMR, HRMS y cristalografía de rayos X sencilla. Las actividades antibacterianas de los dos compuestos se evaluaron *in vitro* frente a *Staphylococcus aureus* (ATCC 29213) y tres cepas de *S. aureus* resistentes a la meticilina (MRSA ATCC 700699, MRSA WPH 132, MRSA WPH 147) mediante la observación de la concentración inhibitoria mínima.

**KEY WORDS:** antibacterial, crystal, pyran.

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