



A Novel Pyran Annulated Heterocyclic Compound: Synthesis, Crystal Structure and Activity Against Central Nervous System Multiple Glioma

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SUMMARY. A new pyran annulated heterocyclic compound (**1**) was synthesized and characterized via IR, ¹H NMR, HRMS, and single crystal X-ray crystallography. In this study, the anti-glioma effect of the title compound was examined on human glioma cell line U-87MG, the result showed that the compound inhibited the proliferation of U-87MG cells in a dose-dependent manner.

RESUMEN. Un nuevo compuesto heterocíclico piran-anillado (**1**) se sintetizó y caracterizó mediante IR, ¹H RMN, HRMS, y cristalografía de rayos X monocristalina. El efecto anti-glioma del compuesto del título se examinó en la línea celular de glioma humano U-87MG; el resultado mostró que el compuesto inhibe la proliferación de células U-87MG en una forma dependiente de la dosis.

KEY WORDS: crystal, glioma cell, pyran.

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