

Synthesis of Camptothecin-Glycine-Norcantharidin Conjugates and Their Biological Activity Evaluation *In Vitro*

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SUMMARY. Camptothecin, glycine and functionalized *norcantharidins* were constructed together by twice couplings to form a novel series of *camptothecin* derivatives in a good yield. The synthesized camptothecin-glycine-norcantharidin conjugates pro-drugs simultaneously suppress cancer cell growth *in vitro*. These conjugated pro-drug molecules possess therapeutic potential as novel bi-functional conjugates platforms for cancer treatment.

RESUMEN. Camptotecina, glicina y *norcantharidinas* funcionalizadas fueron construidos juntos por acoplamientos doble para formar una nueva serie de derivados de *camptotecina* con buen rendimiento. Los profármacos conjugados sintetizados camptotecina-glicina-norcantharidina suprimen simultáneamente el crecimiento de células cancerosas *in vitro*. Estas moléculas profármaco conjugadas poseen un potencial terapéutico como nuevas plataformas de conjugados bifuncionales para el tratamiento del cáncer.

KEY WORDS: camptothecin, conjugate, glycine, norcantharidin, prodrug.

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