



Anticancer Activities of Some Macrocyclic Peptidocalix[4]arene and Peptidopyridine Candidates

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SUMMARY. A series of macrocyclic dipicolinic acid acylated peptides based on upper rim bridged peptidocalix[4]arene and peptidopyridine derivatives 1-10 were synthesized before as antimicrobial agents. In continuation of our previous work, herein we used these compounds **1-10** for evaluated as anticancer agents. All the tested compounds showed potent anticancer activities against many cancer cell lines on nano molar levels.

RESUMEN. Una serie de péptidos macrocíclicos basados en ácido dipicolínico acilado en el borde superior del puente peptidocalix[4]areno y derivados peptidopiridínicos **1-10** se sintetizaron antes como agentes antimicrobianos. En la continuación de nuestro trabajo anterior, en el presente documento utilizamos estos compuestos 1-10 para evaluarlos como agentes anticancerígenos. Todos los compuestos ensayados mostraron potente actividad contra el cáncer en muchas líneas celulares de cáncer en niveles nanomolares.

KEY WORDS: Pyridine-2,6-bisamino acid, chiral macrocyclic, peptidocalix[4]arenes, anticancer Agents

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