

## Two Novel Cytochalasins: Crystal Structures and Inhibition of Human Cancer Cells

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**SUMMARY.** Two new cytochalasins (1 and 2) were isolated from the mitosporic fungus *Geniculosporium* sp., which is associated with the red alga *Polysiphonia* sp. They were determined by IR, <sup>1</sup>H NMR, HRMS and X-ray single crystal analysis. In addition, their *in vitro* proliferation inhibitory activity against four human cancer cell lines (KYSE-150R, NCI-H446, Siha and U2OS) were then evaluated.

**RESUMEN.** Se aislaron dos nuevas citocalasinas (1 y 2) del hongo mitospórico *Geniculosporium* sp., que está asociado con la alga roja *Polysiphonia* sp. Se determinaron por IR, <sup>1</sup>H NMR, HRMS y análisis de monocristal de rayos X. Además, se evaluó su actividad inhibidora de la proliferación *in vitro* frente a cuatro líneas celulares de cáncer humano (KYSE-150R, NCI-H446, Siha y U2OS).

**KEY WORDS:** cytochalasin, radiation cancer, X-ray.

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