

Asenjonamides A-C, antibacterial metabolites isolated from *Streptomyces asenjonii* strain KNN 42.f from an extreme-hyper arid Atacama Desert soil

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Abstract

Bio-guided fractionation of the culture broth extract of *Streptomyces asenjonii* strain KNN 42.f recovered from an extreme hyper-arid Atacama Desert soil in northern Chile led to the isolation of three new bioactive beta-diketones; asenjonamides A-C (1-3) in addition to the known N-(2-(1H-indol-3-yl)-2-oxoethyl)acetamide (4), a series of bioactive acylated 4-aminoheptosyl-beta-N-glycosides; spicamycins A-E (5-9), and seven known diketopiperazines (10-16). All isolated compounds were characterized by HRESIMS and NMR analyses and tested for their antibacterial effect against a panel of bacteria.

Palabras clave

KeyWords Plus: [PROMYELOCYTIC LEUKEMIA-CELLS](#); [DIFFERENTIATION INDUCERS](#); [SECONDARY METABOLITES](#); [CYCLIC DIPEPTIDES](#); [SP NOV.](#); [SPICAMYCIN](#); [SIPHONARIENEDIONE](#); [CHAXAMYCINS](#); [HL-60](#)

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