Versatile synthesis of the signaling peptide glorin

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Details

Abstract

We present a versatile synthesis of the eukaryotic signaling peptide glorin as well as glorinamide, a synthetic analog. The ability of these compounds to activate glorin-induced genes in the social amoeba Polysphondylium pallidum was evaluated by quantitative reverse transcription PCR, whereby both compounds showed bioactivity comparable to a glorin standard. This synthetic route will be useful in conducting detailed structure–activity relationship studies as well as in the design of chemical probes to dissect glorin- mediated signaling pathways.

Beteiligte Forschungseinheiten

Paläobiotechnologie Pierre Stallforth Mehr erfahren

Leibniz-HKI-Autor*innen



Robert Barnett

Details



Pierre Stallforth

Details

Themenfelder

Polyketide in *Dictyostelium discoideum*

Interaktionen mit Pathogenen