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Cover Picture

Mark Overhand et al.
Novel Gramicidin S Analogues

Microreview

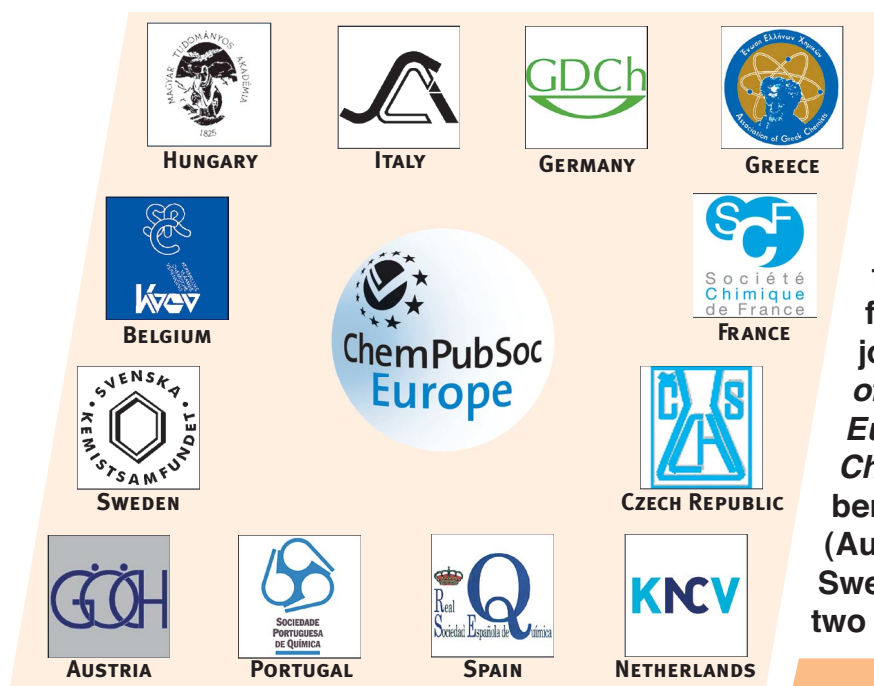
Philippe C. Gros and Yves Fort
Synthesis of Functional Pyridine Organometallics

WILEY-VCH

www.eurjoc.org

A Journal of

ChemPubSoc
Europe



A union formed by chemical societies in Europe (ChemPubSoc Europe) has taken the significant step into the future by merging their traditional journals, to form two leading chemistry journals, the *European Journal of Inorganic Chemistry* and the *European Journal of Organic Chemistry*. Three further members of ChemPubSoc Europe (Austria, Czech Republic and Sweden) are Associates of the two journals.

COVER PICTURE

The cover picture shows the cationic antimicrobial peptide Gramicidin S (GS, left structure), which disrupts the bacterial membrane, however with little selectivity over the erythrocytic membrane. This mode of action is explained by the amphiphilic β -sheet structure of GS. Three new analogues of GS were designed in which one D Phe-Pro β -turn motif has been replaced by different sugar amino acids (**1**, **2** and **3** in the right structures). The solution structures of these new analogues were assessed by 1D and 2D NMR spectroscopy, which shows a slightly altered backbone conformation. The antibacterial and hemolytic activities of all analogues were also determined in this study. Details are discussed in the article by M. Overhand et al. on p. 4231ff.

