The Siderophores of *Pseudomonas fluorescens* 18.1 and the Importance of Cyclopeptidic Substructures for the Recognition at the Cell Surface

Cordula Amann, Kambiz Taraz, Herbert Budzikiewicz* and Jean-Marie Meyer

a Institut für Organische Chemie der Universität zu Köln, Greinstr. 4, 50939 Köln, Germany. Fax: +49-221-470-5057. E-mail: h.budzikiewicz@uni-koeln.de

b Laboratoire de Microbiologie et Génétique, Université Louis Pasteur, UPRS-A 7010 du CNRS, 28 rue Goethe, 67000 Strasbourg, France

* Author for correspondance and reprint requests


*Pseudomonas fluorescens*, Pyoverdin, Iron Transport, Siderotyping

The structure of the pyoverdin siderophore of *Pseudomonas fluorescens* 18.1 was elucidated by spectroscopic methods and chemical degradation. By cross feeding studies structurally closely related pyoverdins containing a C-terminal cyclopeptidic substructure were tested regarding the mutual recognition by the producing strains. Partial recognition of foreign pyoverdins was observed.