

The Complex Structure of Ferri-ferribactins

Kambiz Taraz*, Lars Seipold, Cordula Amann and
Herbert Budzikiewicz

Institut für Organische Chemie der Universität zu Köln,
Greinstr. 4, 50939 Köln, Germany.
Fax: +49-221-470-5057. E-mail: aco88@uni-koeln.de

* Author for correspondence and reprint requests

Z. Naturforsch. **55c**, 836–839 (2000);
received June 20, 2000

Pseudomonas chlororaphis, *Pseudomonas fluorescens*,
Ferribactin

By comparison of the NMR data of the ferribactins from *Pseudomonas chlororaphis* ATCC 9446 and of *P. fluorescens* 18.1 with those of their Ga³⁺-complexes as models for the Fe³⁺-complexes it will be shown that only two bidentate ligands are provided for complexation, both located in the peptide chain. The two remaining free sites of the octahedral metal ion are probably occupied by solvent molecules.