

P025 Modelling ferric hydroxamate siderophores

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Despite iron being one of the most common elements on Earth, microbes have a difficult time in displacing iron from insoluble hydroxides or from iron proteins in the body. They solubilize iron by releasing high affinity chelators called siderophores. A molecular model of ferric complexes with hydroxamate siderophores has been constructed, with a view to measuring its interactions with receptor proteins with the bacterium *Streptomyces coelicolor*.