



Ni²⁺ chemistry in pathogens - a possible target for eradication.

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The survival of all urease and/or hydrogenase containing pathogens depends on the proper homeostasis of nickel. In the scope of this perspectives paper, details of Ni²⁺ metabolism of *Helicobacter pylori*, a widespread stomach-ulcer causing bacterium, are described. Nickel binding proteins and thermodynamics of such metal complexes are discussed in detail and special focus is given to potential nickel binding sequences in this metal's chaperones and regulators. A list of potential Ni²⁺ binding sites in various pathogens is presented, which points out numerous examples of nickel interactions that still need to be understood.

Adres publiczny

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