

Affinity of zinc and copper ions for insulin monomers

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Evaluation of Zn²⁺- and Cu²⁺-binding affinities of native Cu,Zn-SOD1 and its G93A mutant by LC-ICP MS

Smirnova, Julia; Gavrilova, Julia; Noormägi, Andra; Valmsen, Karin; Pupart, Hegne; Luo, Jinghui; Tõugu, Vello; Palumaa, Peep Molecules 2022 / art. 3160 <https://doi.org/10.3390/molecules27103160> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Role of metal ions in amyloidogenic properties of insulin and superoxide dismutase = Metallioonide roll insuliini ja superoksiidi dismutaasi amüloidoogensetes omadustes

Gavrilova, Julia 2022 <https://doi.org/10.23658/taltech.44/2022> <https://digikogu.taltech.ee/et/Item/693de590-2d9f-43d6-989e-ebac0544151d> https://www.eester.ee/record=b5511706*est

Zn(II) ions co-secreted with insulin suppress inherent amyloidogenic properties of monomeric insulin

Noormägi, Andra; Gavrilova, Julia; Smirnova, Julia; Tõugu, Vello; Palumaa, Peep Biochemical journal 2010 / p. 511-518 <https://pubmed.ncbi.nlm.nih.gov/20632994/>

Zn(II) ions inhibit fibrillization of monomeric insulin

Noormägi, Andra; Gavrilova, Julia; Smirnova, Julia; Tõugu, Vello; Palumaa, Peep FEBS journal 2010 / Suppl. 1, p. 256