

Complex formation by peptides containing more than one prolyl residue; some unexpected trends with biological implications.

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Streszczenie

Pentapeptides of general formula X-Pro-X-Pro-X are unable to co-ordinate to Cu^{II} through any of the peptidenitrogen atoms while those of formula X-Pro-Pro-X-X form stable, chelated complexes with 2N co-ordination and a large chelate ring; however with X-Pro-Lys-Pro-X (Substance P₁₋₅) and Substance P itself the $\hat{\mu}$ -amino-N of the Lys residue participates in co-ordination, forming a large, stable chelate ring.

Adres publiczny

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