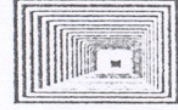
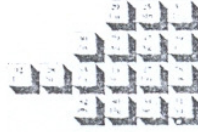




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UNESCO  
Satellite Trace Element Center  
(Ankara)

SECOND INTERNATIONAL  
ZINC SYMPOSIUM

OCTOBER 2-3, 1998  
Ankara - TURKEY

ABSTRACTS

# MONOMERIC, DIMERIC AND TRIMERIC ZINC COMPLEXES

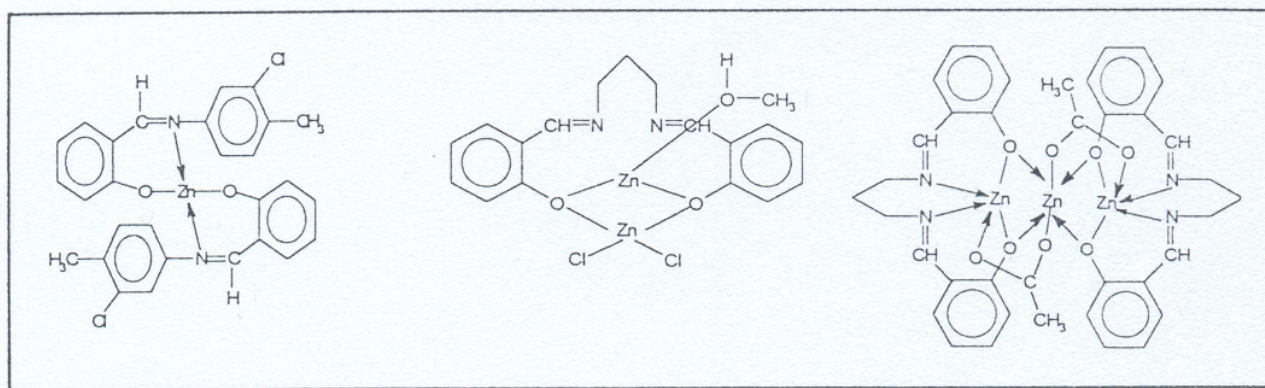
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Zinc is an essential trace element for living organisms. It is a common element in nucleic acid polymerases and transcription factor, where its role is considered to be structural rather than catalytic. Zinc enhances the stereoselectivity of the polymerization of nucleosides under reaction conditions designed to simulate the environment for prebiotic reactions.

We report here new mononuclear, dinuclear and trinuclear zinc-Schiff Bases complexes. The structures of these complexes are determined by x-ray diffraction, elemental analysis and IR spectroscopy.



Elucidation of the formation mechanisms and structures of various type of zinc complexes is likely to throw light upon the storage and biological activity mechanism of the element in living organisms.