

## Serendipitous synthesis found in the nuances of homoleptic zinc complex formation.

### Autorzy

Dawid Jędrzkiewicz  
Aleksandra Marszałek-  
Harych  
Jolanta Ejfler

### Rok wydania

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### Czasopismo

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57

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### Kolekcja

Naukowa

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Artykuł

### Streszczenie

A series of aminophenolate and aminonaphtholate homoleptic zinc complexes were obtained using a simple and unique synthetic strategy. A rigorous analysis of the byproduct supported modifications of the main course of the bis-chelation reaction. Controlled alcoholysis was followed by alternation and controlled anaerobic hydrolysis of ethyl-zinc aminophenolate or aminonaphtholate complexes. This new and intriguing reaction yielded a new class of zinc corona complexes. All the synthesized complexes were fully characterized in the solid state and in solution using X-ray and spectroscopic methods as well as density functional theory calculations.

### Adres publiczny

<https://doi.org/10.1021/acs.inorgchem.8b00550>

### Strona internetowa wydawcy

<https://www.acs.org/content/acs/en.html>