

## عنوان مقاله:

A DFT Study of the zinc (4-salicylideneimino)benzo-15-crown-5 complex

## محل انتشار:

هجدهمین همایش شیمی فیزیک ایران (سال: 1394)

تعداد صفحات اصل مقاله: 3

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## خلاصه مقاله:

Although zinc is only moderately abundant in nature, it is, however, an indispensable element in the human body [1]. Detection and separation of zinc is important because this transition metal acts as a structural component of proteins [2, 3]. This transition metal can be stabilized and detected by hetero-donor ligands and give dinuclear complexes. N-salicylidene aniline derivative [4'-benzo-15-crown-5] N=CH-(2-OH-C<sub>6</sub>H<sub>4</sub>) (HL) contains the N=CH-(2-OH-C<sub>6</sub>H<sub>4</sub>) backbone which is capable to coordinate with Zn cation and give [Zn L<sub>2</sub>] complex. The purpose of this study is the molecular structure and some physical properties of [ZnL<sub>2</sub>] complex.

## کلمات کلیدی:

لینک ثابت مقاله در پایگاه سیویلیکا:

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