

## عنوان مقاله:

DFT/NBO Analysis of Complexes between Nanotubes and Anti-HIV Drugs

## محل انتشار:

پانزدهمین سمینار شیمی فیزیک ایران (سال: 1391)

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## خلاصه مقاله:

One of the efficient drugs that has anti HIV properties, is (+)/(-) enantiomers of 2'-deoxy-3'-oxa-4'-thiocytidine (dotc) or Apricitabine (AVX۷۵۴). The most common side effects of this drug are headache, nasal congestion and muscle pain. Scientists have expressed their hope to develop the use of carbon Nanotubes to release drugs, ... . It is very important to release drug in cell without damaging healthy cells of tissue under study. It is one application of Nanotubes. To prevent of drug's side effects in use, in this work the interaction between Nanotubes and this anti-HIV drug is investigated to show if the Nanotubes are safe to deliver this drug.

## کلمات کلیدی:

Nanotube, Thermodynamic Function, DFT, HIV

## لینک ثابت مقاله در پایگاه سیویلیکا:

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