

عنوان مقاله:

Investigation of Interaction Between Nilutamide anticancer and Nanotubes; A computational study

محل انتشار:

کنفرانس ملی نانو ساختارها علوم و مهندسی نانو (سال: 1398)

تعداد صفحات اصل مقاله: 6

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خلاصه مقاله:

Nilutamide is an antineoplastic hormonal agent primarily used in the treatment of prostate cancer. Nilutamide is a pure, nonsteroidal anti-androgen with an affinity for androgen receptors. Consequently, Nilutamide blocks the action of androgens of adrenal and testicular origin that stimulate the growth of normal and malignant prostatic tissue. Prostate cancer is mostly androgen-dependent and can be treated with surgical or chemical castration. To date, antiandrogen monotherapy has not consistently been shown to be equivalent to castration. Computing of energy diversity acquires apply methods of Semi-Empirical and Monte Carlo will give us valuable data about nanotubes interactions. Computer simulations with these methods can cause to further comprehension of the thermodynamic and kinetic parameters of such peptides and create further seeing into the plan, production, and structural changes of peptides in various processes. Hyperchem utilization of the Metropolis method. In our reading, Kinetic, potential and total energy were computed by Monte Carlo and Molecular Dynamic simulation.

کلمات کلیدی:

Nilutamide, Anticancer, Nanotubes, Semi empirical, monte carlo

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