

Differentiated health problems according to gender among adolescents reporting sexual or physical assault

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Abstract

DNA topoisomerase II enzyme is one of the popular anticancer treatment approaches which this enzyme controls and modifies the topological states of DNA and plays key roles in DNA replication, transcription and chromosome segregation¹. It is known that one class of topoisomerase II inhibitors, known as topo II poisons, bind to the transient enzyme-DNA complex and inhibit the religation of DNA generating single- and double-stranded breaks that cause the to apoptosis and cell death².

Mechanism of action has been defined between DNA topoisomerase II and the series of bicyclic compounds³ which were examined in detail using molecular modeling studies such as molecular docking and pharmacophore analysis performed by using Discovery Studio⁴ and LigandScout⁵. This study also provides a model to design novel and more potent anticancer agents as human topoisomerase II poisons

Biography:

Qualified to supervise research (Univ. François-Rabelais) in 1999 Judicial expert in psychiatry (Orléans Court of Appeal) in 1999 Doctorate in psychopathology and neurobiology (Univ. Sorbonne Paris 6) in 1996 Head of Psychiatry Clinic in 1992 Doctor of medicine (Univ. François-Rabelais) in 1992 Doctorate in mathematics (Univ. Paris 11 Saclay) in 1978 at 26 years old.

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Citation: Jean-Michel Darves-Bornoz, Differentiated health problems according to gender among adolescents reporting sexual or physical assault; *Psychiatry* 2021; April 30, 2021; London, UK