Abstract

Isomeric pterocarpans, Dolichin A and Dolichin B of *Macrotyloma uniflorum* were docked with the three replication enzymes of HIV (Reverse transcriptase, Protease, Integrase). Analysed results proved that the docking score was high for Protease with Dolichin A (-6.6899) and Dolichin B (-6.6944) among Reverse transcriptase and Integrase. AIDS therapies could be scrutinized and/or replaced after the successful inhibitory effect of Dolichin. This study will support the cutting edge of HIV research and drug designing to find out a less side effect causing herbal formulations.

References

Inhibitors of HIV-1 replication that inhibit HIV integrase. Proceedings of National Academy of Sciences. USA 93, 6326–6331.


**Index Terms**

Computer Science  
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**Keywords**

*Macrotyloma uniflorum*  Dolichin A and Dolichin B  AIDS  Docking