

α -Amylase Inhibitory Activity of *Abrus precatorius* Linn. Leaves Ethanol Extract

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Abstract : The screening study of porcine pancreatic α -amylase inhibition was done on local area collected medicinal plants; a potent inhibitory activity was detected in the ethanol extract of *Abrus p recatorius* L. leaves. The enzyme assay reported fractionation of the extract led to the inhibition activity and has potent α -amylase inhibitor content. The mode of inhibition of extract against porcine pancreatic α -amylase was a mixed inhibition. This is the reported study that describes the potent α -amylase inhibitory activity of the ethanol extract of *A.precatorius* L.leaves.

Keywords : Porcine pancreatic α -amylase, *Abrus p recatorius* L., α -amylase inhibitor.

International Journal of ChemTech Research, 2018,11(05): 488-494.

DOI= <http://dx.doi.org/10.20902/IJCTR.2018.110553>
