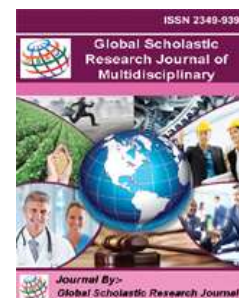




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**INTERACTION OF RUTIN AND HESPERITIN WITH
ACETYLCHOLINE ESTERASE (ACH) USING MOLECULAR
DOCKING STUDIES OF *D.ELATA* (L.)**

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Abstract

Acetylcholine esterase (AChE) enzyme is neurological disorder enzyme present human brain cells. Rutin, Hesperitin was taken as ligand for molecular docking with brain targets. Acetylcholine esterase (Ach) whose crystallographic structures are available on the PDB database 2E1Q was used for the docking analysis using the Schrodinger tool. The docking studies of the enzyme Acetylcholine esterase (AChE) with two ligand rutin and hesperitin reveals that these are the good molecules which docks well with targets related to brain attack. Hence rutin and hesperitin can be considered for developing into brain attack drug.

Keywords: Acetylcholine esterase (AChE), brain attack, ligand