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Design, synthesis, pharmacological evaluation, and docking study of new acridone-based 1,2,4-oxadiazoles as potential anticonvulsant agents

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Graphical Abstract

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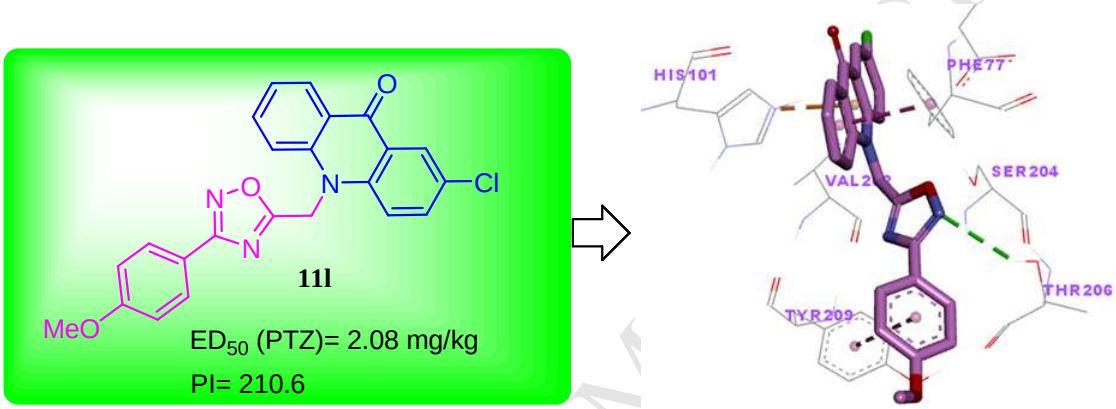

A series of acridone-based oxadiazoles were synthesized and evaluated as new anticonvulsant agents. The 2-chloro-acridinone derivative **11l** was the most potent compound in the PTZ test.