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Exploration of synthetic multifunctional amides as new therapeutic agents for Alzheimer's disease through enzyme inhibition, chemoinformatic properties, molecular docking and dynamic simulation insights

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Highlights

- Designing of multifunctional amides derivatives as acetyl and butyrylcholinesterase inhibitors.
- Chemoinformatic, molecular docking and simulation analysis was against most potent inhibitor **7e**.
- In vitro and in silico results showed the significance of **7e** and could be used as a template for novel drugs against Alzheimer's disease.

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