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(57) Abstract :

The present disclosure relates generally to acetylcholinesterase inhibitor compound. More specifically, the disclosure is directed to an acetylcholinesterase inhibitor compound as anti-Alzheimer's agent of Formula I. The present disclosure also relates to a method of synthesizing the 1,5-dimethyl-2-phenylpyrazol-3-one derivative via single step one pot synthesis. The compounds of the present disclosure have low toxicity and high potency.

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