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Research Article

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Development of a High-throughput Assay to Identify Novel Reactivators of Acetylcholinesterase

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Acetylcholinesterase (AChE) is a key enzyme in the nervous system capable of breaking down acetylcholine (ACh). ACh is a critical neurotransmitter that signals between nerve cells and muscles. Organophosphates (OPs), used as insecticides and nerve agents, irreversibly inhibit AChE by forming a covalent bond with the enzyme's active site. Since exposure to these nerve ...

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