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Title: Protective effect of dapsone on cognitive impairment induced by propofol involves hippocampal autophagy

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**Protective effect of dapsone on cognitive impairment induced by propofol involves hippocampal  
autophagy**

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**HIGHLIGHTS:**

- Propofol exposure causes hippocampus-dependent cognitive deficit in elderly rats.
- Inhibition of autophagy contributes to cognitive impairment induced by propofol.
- Dapsone attenuates propofol-induced cognitive detriment.
- The beneficial effect of dapsone involves hippocampal autophagy.

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