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New multifunctional melatonin-derived benzylpyridinium bromides with potent cholinergic, antioxidant, and neuroprotective properties as innovative drugs for Alzheimer's disease

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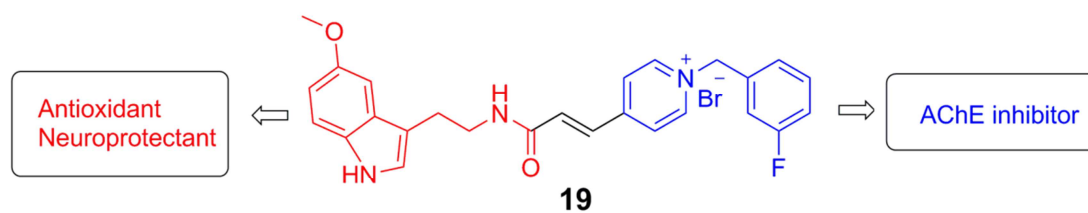
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Graphical abstract



ORAC = 3.41

Low toxicity to SH-SY5Y cells

Good neuroprotection *in vitro*

h-AChE: IC₅₀ = 0.11 μM

h-BuChE: IC₅₀ = 1.1 μM

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