

Review of: "Targeting Alzheimer's disease hallmarks with the Nrf2 activator Isoeugenol"

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Potential competing interests: No potential competing interests to declare.

The Manuscript describes a very interesting and scientifically significant topic regarding beneficial effects of the Nrf2 activating molecule, Isoeugenol, as a promising therapeutic strategy for Alzheimer's disease.

This manuscript is a well written and the methodological parts are very well developed by the authors. The comprehensive overview highlights the intricate connections between Alzheimer's disease, the role of Nrf2, and the potential therapeutic impact of Isoeugenol. The economic burden and global impact of Alzheimer's are significant, making research into novel strategies, such as Nrf2 activation, crucial. The potential of Isoeugenol in reducing oxidative stress, reducing the levels of A β peptides, its anti-inflammatory properties through Nrf2 activation, and the focus on neuroprotection provide a promising avenue for addressing Alzheimer's and improving the well-being of those affected. This interdisciplinary approach is essential for advancing our understanding and developing effective interventions.

I do not raise any objections and I am impressed with the authors' skills in this matter.