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Review > [Drug Discov Today](#). 2017 Dec;22(12):1765-1781. doi: 10.1016/j.drudis.2017.08.001.  
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## Tocotrienols: the unsaturated sidekick shifting new paradigms in vitamin E therapeutics

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### Erratum in

[Corrigendum to "Tocotrienols: the unsaturated sidekick shifting new paradigms in vitamin E therapeutics" \[Drug Discov. Today 22 \(December \(12\)\) \(2017\) 1765-1781\].](#)

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### Abstract

Vitamin E family members: tocotrienols and tocopherols are widely known for their health benefits. Decades of research on tocotrienols have shown they have diverse biological activities such as antioxidant, anti-inflammatory, anticancer, neuroprotective and skin protection benefits, as well as improved cognition, bone health, longevity and reduction of cholesterol levels in plasma. Tocotrienols also modulate several intracellular molecular targets and, most importantly, have been shown to improve lipid profiles, reduce total cholesterol and reduce the volume of white matter lesions in human clinical trials. This review provides a comprehensive update on the little-known therapeutic potentials of tocotrienols, which tocopherols lack in a variety of inflammation-driven diseases.

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