



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!  
See the following pages for more information!



### Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

### SZABO-SCANDIC HandelsgmbH

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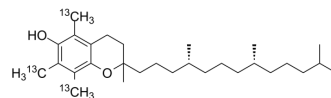
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## α-Vitamin E-13C3

<b>Cat. No.:</b>	HY-N0683S1
<b>CAS No.:</b>	2140857-06-1
<b>Molecular Formula:</b>	C <sub>26</sub> <sup>13</sup> C <sub>3</sub> H <sub>50</sub> O <sub>2</sub>
<b>Molecular Weight:</b>	433.68
<b>Target:</b>	Bacterial; Influenza Virus; Reactive Oxygen Species; Ferroptosis; Endogenous Metabolite
<b>Pathway:</b>	Anti-infection; Immunology/Inflammation; Metabolic Enzyme/Protease; NF-κB; Apoptosis
<b>Storage:</b>	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

<b>Description</b>	α-Vitamin E-13C3 ((+)-α-Tocopherol-13C3) is the 13C-labeled α-Vitamin E. α-Vitamin E ((+)-α-Tocopherol), a naturally occurring vitamin E form, is a potent antioxidant <sup>[1][2]</sup> .
<b>In Vitro</b>	Stable heavy isotopes of hydrogen, carbon, and other elements have been incorporated into drug molecules, largely as tracers for quantitation during the drug development process. Deuteration has gained attention because of its potential to affect the pharmacokinetic and metabolic profiles of drugs <sup>[1]</sup> . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

### REFERENCES

- [1]. Russak EM, et al. Impact of Deuterium Substitution on the Pharmacokinetics of Pharmaceuticals. *Ann Pharmacother*. 2019;53(2):211-216.
- [2]. Atchara Paemane, et al. Screening of melatonin, α-tocopherol, folic acid, acetyl-L-carnitine and resveratrol for anti-dengue 2 virus activity. *BMC Res Notes*. 2018 May 16;11(1):307.
- [3]. Daiki Hayashi, et al. Amelioration of diabetic nephropathy by oral administration of d-α-tocopherol and its mechanisms. *Biosci Biotechnol Biochem*. 2018 Jan;82(1):65-73.
- [4]. Maret G Traber, et al. Vitamin E, antioxidant and nothing more. *Free Radic Biol Med*. 2007 Jul 1;43(1):4-15.

**Caution: Product has not been fully validated for medical applications. For research use only.**

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