

Publication**Asymmetric Synthesis and Biological Activity of nor- α -Tocopherol, a New Vitamin E Analogue****JournalArticle (Originalarbeit in einer wissenschaftlichen Zeitschrift)****ID** 480193**Author(s)** Chapelat, Julien; Hengartner, Urs; Chougnet, Antoinette; Liu, Kegang; Huebbe, Patricia; Rimbach, Gerald; Woggon, Wolf-D**Author(s) at UniBasel** [Woggon, Wolf-Dietrich](#) ;**Year** 2011**Title** Asymmetric Synthesis and Biological Activity of nor- α -Tocopherol, a New Vitamin E Analogue**Journal** ChemBioChem**Volume** 12**Number** 1**Pages / Article-Number** 118-24**Keywords** inflammation, nor-tocopherol, tocopherol, vitamins

The vitamin E analogues (2R,4'R, 8'R)-nor-alpha-tocopherol (94% de) and (2RS,4'R,8'R)-nor-alpha-tocopherol have been synthesized from (all R)-hexahydrofarnesol and phytol, respectively. According to in vitro experiments with murine macrophages nor-alpha-tocopherol is an anti-inflammatory compound more potent than alpha-tocopherol.

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