



# 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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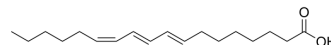
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## Calendic acid

Cat. No.:	HY-134544
CAS No.:	5204-87-5
Molecular Formula:	C <sub>18</sub> H <sub>30</sub> O <sub>2</sub>
Molecular Weight:	278.43
Target:	Others
Pathway:	Others
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

#### Description

Calendic acid (8(E),10(E),12(Z)-Octadecatrienoic acid) is a conjugated polyunsaturated fatty acid (PUFA) that can be isolated from *C. officinalis* seed oil. Calendic acid has anticancer activity<sup>[1][2][3]</sup>.

### REFERENCES

- [1]. Crombie L, et al. The biosynthesis of calendic acid, octadeca-(8 E, 10 E, 12 Z)-trienoic, acid, by developing marigold seeds: origins of (E, E, Z) and (Z, E, Z) conjugated triene acids in higher plants. *Journal of the Chemical Society, Perkin Transactions 1*, 1985: 2425-2434.
- [2]. Yasui Y, et al. Growth inhibition and apoptosis induction by all-trans-conjugated linolenic acids on human colon cancer cells. *Anticancer Res.* 2006 May-Jun;26(3A):1855-60.
- [3]. Shinohara N, et al. jacaric acid, a linolenic acid isomer with a conjugated triene system, reduces stearoyl-CoA desaturase expression in liver of mice. *J Oleo Sci.* 2012;61(8):433-41.

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

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