



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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### Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

### SZABO-SCANDIC HandelsgmbH

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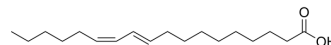
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## (10E,12Z)-Octadeca-10,12-dienoic acid

<b>Cat. No.:</b>	HY-116538		
<b>CAS No.:</b>	2420-56-6		
<b>Molecular Formula:</b>	C <sub>18</sub> H <sub>32</sub> O <sub>2</sub>		
<b>Molecular Weight:</b>	280.45		
<b>Target:</b>	Endogenous Metabolite; PPAR		
<b>Pathway:</b>	Metabolic Enzyme/Protease; Cell Cycle/DNA Damage; Vitamin D Related/Nuclear Receptor		
<b>Storage:</b>	Pure form	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



### BIOLOGICAL ACTIVITY

<b>Description</b>	(10E,12Z)-Octadeca-10,12-dienoic acid activates PPAR $\alpha$ and inhibits adipocyte differentiation <sup>[1]</sup> . (10E,12Z)-Octadeca-10,12-dienoic acid and its downstream metabolites have various antioxidant and antitumor activities. (10E,12Z)-Octadeca-10,12-dienoic acid is effective orally <sup>[2][3]</sup> .
<b>IC<sub>50</sub> &amp; Target</b>	PPAR $\alpha$

### REFERENCES

- [1]. Houseknecht KL, et al. Dietary conjugated linoleic acid normalizes impaired glucose tolerance in the Zucker diabetic fatty fa/fa rat. *Biochem Biophys Res Commun.* 1998 Mar 27;244(3):678-82.
- [2]. Shultz TD, et al. Inhibitory effect of conjugated dienoic derivatives of linoleic acid and beta-carotene on the in vitro growth of human cancer cells. *Cancer Lett.* 1992 Apr 15;63(2):125-33.
- [3]. Park Y, et al. Conjugated fatty acids as a prevention tool for obesity and osteoporosis[M]//Emerging trends in dietary components for preventing and combating disease. American Chemical Society, 2012: 393-405

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

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