



# 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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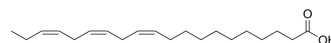
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## 11(Z),14(Z),17(Z)-Eicosatrienoic acid

Cat. No.:	HY-108398B	
CAS No.:	17046-59-2	
Molecular Formula:	C <sub>20</sub> H <sub>34</sub> O <sub>2</sub>	
Molecular Weight:	306.48	
Target:	Endogenous Metabolite	
Pathway:	Metabolic Enzyme/Protease	
Storage:	Pure form	-20°C 3 years
	In solvent	-80°C 6 months
		-20°C 1 month



### SOLVENT & SOLUBILITY

#### In Vitro

DMSO : 50 mg/mL (163.14 mM; Need ultrasonic)

Preparing Stock Solutions	Solvent Concentration	Mass		
		1 mg	5 mg	10 mg
	1 mM	3.2629 mL	16.3143 mL	32.6286 mL
	5 mM	0.6526 mL	3.2629 mL	6.5257 mL
	10 mM	0.3263 mL	1.6314 mL	3.2629 mL

Please refer to the solubility information to select the appropriate solvent.

#### In Vivo

- Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline  
Solubility: ≥ 1.25 mg/mL (4.08 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)  
Solubility: ≥ 1.25 mg/mL (4.08 mM); Clear solution

### BIOLOGICAL ACTIVITY

#### Description

11(Z),14(Z),17(Z)-Eicosatrienoic acid is an unsaturated fatty acid that can maintain the continued replication of functional mitochondria in *Saccharomyces cerevisiae* (KD115)<sup>[1]</sup>.

### REFERENCES

- [1]. G Graff, et al. Selective loss of mitochondrial genome can be caused by certain unsaturated fatty acids. Arch Biochem Biophys. 1983, 224, 1.

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

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