



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

Quellenstraße 110, A-1100 Wien

T. +43(0)1 489 3961-0

F. +43(0)1 489 3961-7

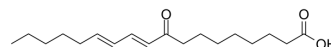
mail@szabo-scandic.com

www.szabo-scandic.com

[linkedin.com/company/szaboscandic](https://www.linkedin.com/company/szaboscandic) 

(10E,12E)-9-Oxo-10,12-octadecadienoic acid

| | |
|---------------------------|--|
| Cat. No.: | HY-N9768 |
| CAS No.: | 54232-58-5 |
| Molecular Formula: | C ₁₈ H ₃₀ O ₃ |
| Molecular Weight: | 294.43 |
| Target: | Fungal; PPAR |
| Pathway: | Anti-infection; Cell Cycle/DNA Damage; Metabolic Enzyme/Protease; Vitamin D Related/Nuclear Receptor |
| Storage: | Please store the product under the recommended conditions in the Certificate of Analysis. |



BIOLOGICAL ACTIVITY

| | |
|--------------------|--|
| Description | (10E,12E)-9-Oxo-10,12-octadecadienoic acid (9-oxo-ODA) is a PPAR α agonist that can be isolated from the basidiomycete <i>Gomphus floccosus</i> . (10E,12E)-9-Oxo-10,12-octadecadienoic acid enhances fatty acid oxidation through PPAR α activation, thereby inhibiting triglyceride accumulation. (10E,12E)-9-Oxo-10,12-octadecadienoic acid also has antifungal (Fungal) activity ^{[1][2]} . |
| In Vitro | (10E,12E)-9-Oxo-10,12-octadecadienoic acid has good activity against <i>Phytophthora parasitica</i> and <i>Cladosporium herbarum</i> ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only. |

REFERENCES

- [1]. Cantrell CL, et al. Isolation and identification of antifungal fatty acids from the basidiomycete *Gomphus floccosus*. *J Agric Food Chem*. 2008 Jul 9;56(13):5062-8.
- [2]. Kim YI, et al. Potent PPAR α activator derived from tomato juice, 13-oxo-9,11-octadecadienoic acid, decreases plasma and hepatic triglyceride in obese diabetic mice. *PLoS One*. 2012;7(2):e31317.

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

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA