



# 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

Quellenstraße 110, A-1100 Wien

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

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

[mail@szabo-scandic.com](mailto:mail@szabo-scandic.com)

[www.szabo-scandic.com](http://www.szabo-scandic.com)

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

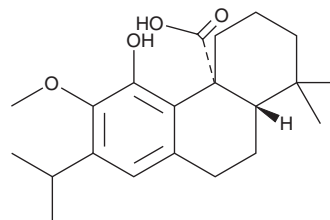
# PRODUCT INFORMATION



## 12-O-Methylcarnosic Acid

Item No. 36175

**CAS Registry No.:** 62201-71-2  
**Formal Name:** (4aR,10aS)-1,3,4,9,10,10a-hexahydro-5-hydroxy-6-methoxy-1,1-dimethyl-7-(1-methylethyl)-4a(2H)-phenanthrenecarboxylic acid  
**Synonyms:** Carnosic acid 12-methyl ether, 12-Methoxycarnosic Acid  
**MF:** C<sub>21</sub>H<sub>30</sub>O<sub>4</sub>  
**FW:** 346.5  
**Purity:** ≥98%  
**Supplied as:** A solid  
**Storage:** -20°C  
**Stability:** ≥4 years  
**Item Origin:** Plant/*Rosmarinus officinalis*



Information represents the product specifications. Batch specific analytical results are provided on each certificate of analysis.

### Laboratory Procedures

12-O-Methylcarnosic acid is supplied as a solid. A stock solution may be made by dissolving the 12-O-methylcarnosic acid in the solvent of choice, which should be purged with an inert gas. 12-O-Methylcarnosic acid is soluble in chloroform.

### Description

12-O-Methylcarnosic acid is a diterpene that has been found in *S. repens* and has antileishmanial and gastroprotective activities.<sup>1,2</sup> It induces mortality in *L. donovani* amastigotes (IC<sub>50</sub> = 0.75 μM).<sup>1</sup> 12-O-Methylcarnosic acid (10 mg/kg) reduces lesion area in a mouse model of hydrochloric acid and ethanol-induced gastric ulcers.<sup>2</sup>

### References

1. Mokoka, T.A., Peter, X.K., Fouche, G., *et al.* Antileishmanial activity of 12-methoxycarnosic acid from *Salvia repens* burch. ex benth. (lamiaceae). *S. Afr. J. Bot.* **90**, 93-95 (2014).
2. Theodulz, C., Pertino, M.W., Rodríguez, J.A., *et al.* Gastroprotective effect and cytotoxicity of carnosic acid derivatives. *Planta Med.* **77(9)**, 882-887 (2011).

#### WARNING

THIS PRODUCT IS FOR RESEARCH ONLY - NOT FOR HUMAN OR VETERINARY DIAGNOSTIC OR THERAPEUTIC USE.

#### SAFETY DATA

This material should be considered hazardous until further information becomes available. Do not ingest, inhale, get in eyes, on skin, or on clothing. Wash thoroughly after handling. Before use, the user must review the complete Safety Data Sheet, which has been sent via email to your institution.

#### WARRANTY AND LIMITATION OF REMEDY

Buyer agrees to purchase the material subject to Cayman's Terms and Conditions. Complete Terms and Conditions including Warranty and Limitation of Liability information can be found on our website.

Copyright Cayman Chemical Company, 12/19/2022

#### CAYMAN CHEMICAL

1180 EAST ELLSWORTH RD  
ANN ARBOR, MI 48108 · USA

**PHONE:** [800] 364-9897  
[734] 971-3335

**FAX:** [734] 971-3640

CUSTSERV@CAYMANCHEM.COM  
WWW.CAYMANCHEM.COM