



# 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



## 22(S),23(S)-Homobrassinolide

Item No. 32884

**CAS Registry No.:** 80483-89-2  
**Formal Name:** (1R,3aS,3bS,6aS,8S,9R,10aR,10bS,12aS)-1-  
[[1S,2S,3S,4S)-4-ethyl-2,3-dihydroxy-1,5-  
dimethylhexyl]hexadecahydro-8,9-dihydroxy-  
10a,12a-dimethyl-6H-benz[c]indeno[5,4-e]  
oxepin-6-one

**Synonyms:** (22S,23S)-28-Homobrassinolide,  
Isohomobrassinolide

**MF:** C<sub>29</sub>H<sub>50</sub>O<sub>6</sub>

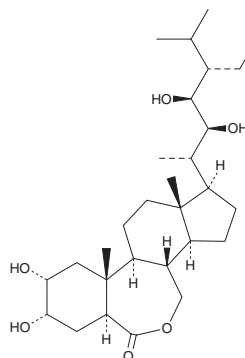
**FW:** 494.7

**Purity:** ≥90%

**Supplied as:** A solid

**Storage:** -20°C

**Stability:** ≥2 years



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

### Laboratory Procedures

22(S),23(S)-Homobrassinolide is supplied as a solid. A stock solution may be made by dissolving the 22(S),23(S)-homobrassinolide in the solvent of choice, which should be purged with an inert gas. 22(S),23(S)-Homobrassinolide is soluble in the organic solvent dimethyl formamide at a concentration of approximately 5 mg/ml. 22(S),23(S)-Homobrassinolide is slightly soluble in DMSO.

### Description

22(S),23(S)-Homobrassinolide is a synthetic brassinosteroid.<sup>1,2</sup> It increases the rooting percentage in *P. abies* cuttings when applied topically at a concentration of 60 ppm.<sup>1</sup>

### References

1. Rönsch, H., Adam, G., Matschke, J., *et al.* Influence of (22S,23S)-homobrassinolide on rooting capacity and survival of adult Norway spruce cuttings. *Tree Physiol.* **12(1)**, 71-80 (1993).
2. McMorris, T.C., Patil, P.A., Chavez, R.G., *et al.* Synthesis and biological activity of 28-homobrassinolide and analogues. *Phytochemistry* **36(3)**, 585-589 (1994).

#### 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, 05/24/2021

#### 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