



# 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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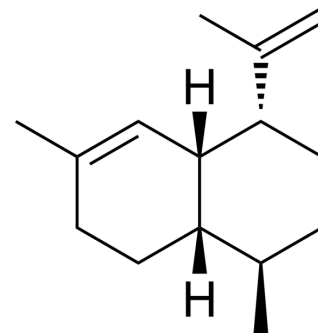
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## Amorphadiene

Cat. No.:	HY-W585869
CAS No.:	92692-39-2
Molecular Formula:	C <sub>15</sub> H <sub>24</sub>
Molecular Weight:	204.35
Target:	Parasite
Pathway:	Anti-infection
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

#### Description

Amorphadiene is the precursor to the antimalarial agent artemisinin, which is produced through the amorphadiene synthase (ADS)-catalyzed cyclization of farnesyl pyrophosphate (FPP) yeast<sup>[1][2]</sup>.

### REFERENCES

[1]. Westfall PJ, et al. Production of amorphadiene in yeast, and its conversion to dihydroartemisinic acid, precursor to the antimalarial agent artemisinin. Proc Natl Acad Sci U S A. 2012 Jan 17;109(3):E1111-8.

[2]. Pramastya H, et al. High level production of amorphadiene using Bacillus subtilis as an optimized terpenoid cell factory. N Biotechnol. 2021 Jan 25;60:159-167.

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

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