



# 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



## Communesin B

Item No. 40935

**CAS Registry No.:** 148439-46-7  
**Formal Name:** (2E,4E)-1-[(3aR,8aR,13bR,16R,16aS,17S)-17-[(2R)-3,3-dimethyl-2-oxiranyl]-2,3,8a,9,14,15-hexahydro-9-methyl-13,16-methano-8H,16H-pyrrolo[2',3':2,3]pyrido[4,3-o]quinindolin-1(16aH)-yl]-2,4-hexadien-1-one

**Synonyms:** Communesine B, Nomofungin

**MF:** C<sub>32</sub>H<sub>36</sub>N<sub>4</sub>O<sub>2</sub>

**FW:** 508.7

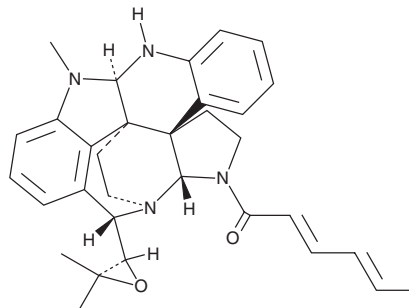
**Purity:** ≥70%

**Supplied as:** A solid

**Storage:** -20°C

**Stability:** ≥4 years

**Item Origin:** Bacterium/*Penicillium fellutanum*



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

### Laboratory Procedures

Communesin B is supplied as a solid. A stock solution may be made by dissolving the communesin B in the solvent of choice, which should be purged with an inert gas. Communesin B is soluble in ethanol, methanol, dichloromethane, and DMSO.

### Description

Communesin B is an alkaloid that has been found in *Penicillium* and has anticancer activity.<sup>1</sup> It is cytotoxic to A549, DU145, HCT116, HeLa, and MCF-7 cells (IC<sub>50</sub>s = 56, 45, 60, 47, and 34 μM, respectively).

### Reference

1. Pompeo, M.M., Cheah, J.H., and Movassaghi, M. Total synthesis and anti-cancer activity of all known communesin alkaloids and related derivatives. *J. Am. Chem. Soc.* **141(36)**, 14411-14420 (2019).

**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, 06/19/2024

### 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