



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

www.szabo-scandic.com

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

PRODUCT INFORMATION

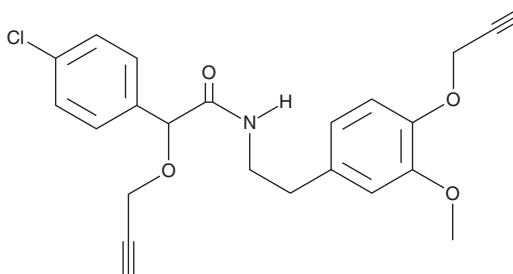


Mandipropamid

Item No. 40129

CAS Registry No.: 374726-62-2
Formal Name: 4-chloro-N-[2-[3-methoxy-4-(2-propyn-1-yloxy)phenyl]ethyl]- α -(2-propyn-1-yloxy)-benzeneacetamide

MF: C₂₃H₂₂ClNO₄
FW: 411.9
Purity: \geq 95%
Supplied as: A solid
Storage: -20°C
Stability: \geq 4 years



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

Laboratory Procedures

Mandipropamid is supplied as a solid. A stock solution may be made by dissolving the mandipropamid in the solvent of choice, which should be purged with an inert gas. Mandipropamid is soluble in the organic solvent acetonitrile.

Description

Mandipropamid is a carboxylic acid amide fungicide.^{1,2} It inhibits cellulose synthesis and germ tube elongation in *P. infestans* when used at a concentration of 68 nM.¹ Mandipropamid reduces mycelial growth of *Phytophthora* and *P. litchi* (EC₅₀s = 0.008-0.03 mg/L).² It is toxic to zebrafish embryos, larvae, and adults (LC₅₀s = 19.91, 4.53, and 4.85 mg/L, respectively). Mandipropamid has been used as a chemical inducer of proximity to study protein translocation *in vitro* and *in vivo*.³ Formulations containing mandipropamid have been used as fungicides in agriculture.

References

1. Blum, M., Boehler, M., Randall, E., *et al.* Mandipropamid targets the cellulose synthase-like PiCesA3 to inhibit cell wall biosynthesis in the oomycete plant pathogen, *Phytophthora infestans*. *Mol. Plant Pathol.* **11**(2), 227-243 (2010).
2. Zhang, J., Wu, Q., Zhong, Y., *et al.* Enantioselective bioactivity, toxicity, and degradation in vegetables and soil of chiral fungicide mandipropamid. *J. Agric. Food Chem.* **69**(45), 13416-13424 (2021).
3. Ziegler, M.J., Yserentant, K., Dunsing, V., *et al.* Mandipropamid as a chemical inducer of proximity for *in vivo* applications. *Nat. Chem. Biol.* **18**(1), 64-69 (2022).

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, 12/08/2023

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