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Produktinformation



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Lieferung & Zahlungsart

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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) 

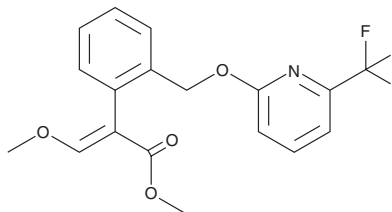
PRODUCT INFORMATION



Picoxystrobin

Item No. 39545

CAS Registry No.: 117428-22-5
Formal Name: αE-(methoxymethylene)-2-[[[6-(trifluoromethyl)-2-pyridinyl]oxy]methyl]-benzeneacetic acid, methyl ester
MF: C₁₈H₁₆F₃NO₄
FW: 367.3
Purity: ≥98%
Supplied as: A solid
Storage: -20°C
Stability: ≥4 years



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

Laboratory Procedures

Picoxystrobin is supplied as a solid. A stock solution may be made by dissolving the picoxystrobin in the solvent of choice, which should be purged with an inert gas. Picoxystrobin is slightly soluble (0.1-1 mg/ml) in ethanol and sparingly soluble (1-10 mg/ml) in DMSO.

Description

Picoxystrobin is a strobilurin fungicide.¹ It reduces the number of bean plants infected by white mold and the extent of infection, as well as increases bean plant yield, in field studies when applied at a concentration of 220 g AI/ha.¹ Picoxystrobin, in combination with the triazole fungicide cyproconazole (Item No. 32947), decreases the incidence of tar spots on the lower canopies, ear leaves, and upper canopies in corn fields experimentally infected with *P. maydis*.² It induces tail deformities, pericardial edema, and spine curvature in zebrafish embryos when used at a concentration of 100 µg/L and is toxic to zebrafish embryos (LC₅₀ = 213.8 µg/L).³ Formulations containing picoxystrobin have been used in the control of fungal diseases in agriculture.

References

1. McCreary, C.M., Depuydt, D., Vyn, R.J., *et al.* Fungicide efficacy of dry bean white mold [*Sclerotinia sclerotiorum* (Lib.) de Bary, causal organism] and economic analysis at moderate to high disease pressure. *Crop Prot.* **82**, 75-81 (2016).
2. Ross, T.J., Allen, T.W., Shim, S., *et al.* Investigations into economic returns resulting from foliar fungicides and application timing on management of tar spot in Indiana hybrid corn. *Plant Dis.* **108(2)**, 461-472 (2024).
3. Jia, W., Mao, L., Zhang, L., *et al.* Effects of two strobilurins (azoxystrobin and picoxystrobin) on embryonic development and enzyme activities in juveniles and adult fish livers of zebrafish (*Danio rerio*). *Chemosphere* **207**, 573-580 (2018).

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.

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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