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Produktinformation



Forschungsprodukte & Biochemikalien



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Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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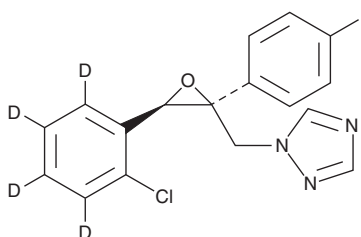
PRODUCT INFORMATION



(±)-*cis*-Epoxiconazole- d_4

Item No. 26771

Formal Name: 1-(((2*S*,3*R*)-3-(2-chlorophenyl-3,4,5,6- d_4)-2-(4-fluorophenyl)oxiran-2-yl)methyl)-1*H*-1,2,4-triazole
MF: $C_{17}H_9D_4ClFN_3O$
FW: 333.8
Chemical Purity: $\geq 98\%$ (*cis*-Epoxiconazole)
Deuterium Incorporation: $\geq 99\%$ deuterated forms (d_1 - d_4); $\leq 1\%$ d_0
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

(±)-*cis*-Epoxiconazole- d_4 is intended for use as an internal standard for the quantification of *cis*-epoxiconazole by GC- or LC-MS. The accuracy of the sample weight in this vial is between 5% over and 2% under the amount shown on the vial. If better precision is required, the deuterated standard should be quantitated against a more precisely weighed unlabeled standard by constructing a standard curve of peak intensity ratios (deuterated *versus* unlabeled).

(±)-*cis*-Epoxiconazole- d_4 is supplied as a solid. A stock solution may be made by dissolving the (±)-*cis*-epoxiconazole- d_4 in the solvent of choice, which should be purged with an inert gas. (±)-*cis*-Epoxiconazole- d_4 is slightly soluble in methanol and chloroform.

Description

cis-Epoxiconazole is a triazole fungicide.¹ Formulations containing *cis*-epoxiconazole have been used to control various fungal diseases in crops.

Reference

1. Zhang, X., Luo, F., Lou, Z., *et al.* Simultaneous and enantioselective determination of *cis*-epoxiconazole and indoxacarb residues in various teas, tea infusion and soil samples by chiral high performance liquid chromatography coupled with tandem quadrupole-time-of-flight mass spectrometry. *J. Chromatogr. A* **1359**, 212-223 (2014).

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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