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Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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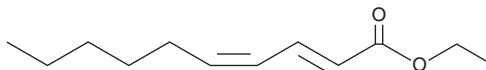
PRODUCT INFORMATION



Ethyl 2-*trans*-4-*cis*-decadienoate

Item No. 30835

CAS Registry No.: 3025-30-7
Formal Name: (2E,4Z)-2,4-decadienoic acid, ethyl ester
Synonym: Pear ester
MF: C₁₂H₂₀O₂
FW: 196.3
Purity: ≥95%
UV/Vis.: λ_{max}: 264 nm
Supplied as: A neat oil
Storage: -20°C
Stability: ≥2 years
Item Origin: Synthetic



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

Laboratory Procedures

Ethyl 2-*trans*-4-*cis*-decadienoate is supplied as a neat oil. A stock solution may be made by dissolving the ethyl 2-*trans*-4-*cis*-decadienoate in the solvent of choice, which should be purged with an inert gas. Ethyl 2-*trans*-4-*cis*-decadienoate is soluble in the organic solvent chloroform at a concentration of approximately 10 mg/ml. Ethyl 2-*trans*-4-*cis*-decadienoate is slightly soluble in dimethyl formamide.

Description

Ethyl 2-*trans*-4-*cis*-decadienoate is a volatile compound that has been found in pears and has kairomonal attractant activity.¹ Ethyl 2-*trans*-4-*cis*-decadienoate attracts male and female codling moths (*C. pomonella*), an apple, pear, and walnut pest, to traps placed in orchards when applied at a concentration of 40 mg/trap. It also attracts *C. splendana* males and females, as well as *P. fasciana* males.

Reference

- Schmidt, S., Anfora, G., Ioriatti, C., *et al.* Biological activity of ethyl (e,z)-2,4-decadienoate on different tortricid species: Electrophysiological responses and field tests. *Environ. Entomol.* **36(5)**, 1025-1031 (2007).

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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