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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

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) 

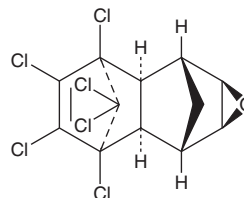
PRODUCT INFORMATION



Dieldrin

Item No. 24043

CAS Registry No.: 60-57-1
Formal Name: *rel*-3,4,5,6,9,9-hexachloro-1aR,2R,2aS,3S,6R,6aR,7S,7aS-octahydro-2,7:3,6-dimethanonaphth[2,3-b]oxirene
Synonyms: Aldrin epoxide, Dieldrex, *exo*-Dieldrin
MF: C₁₂H₈Cl₆O
FW: 380.9
Purity: ≥95%
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

Dieldrin is supplied as a solid. A stock solution may be made by dissolving the dieldrin in the solvent of choice, which should be purged with an inert gas. Dieldrin is slightly soluble in chloroform.

Description

Dieldrin is an organochlorine insecticide and an antagonist of GABA_A receptors (IC₅₀ = 3.27 μM in rat brain vesicles).¹ It increases cell proliferation and the estrogen receptor transactivation gene response in MCF-7 cells when used at a concentration of 5 μM and inhibits the response to the synthetic androgen R1881 in CHO cells when used at concentration of 20 μM.² Dieldrin is toxic to rats with an LD₅₀ value of 46 mg/kg and induces hyperexcitability, seizures, and death.^{1,3} Formulations containing dieldrin have previously been used as insecticides.

References

1. Gant, D.B., Eldefrawi, M.E., and Eldefrawi, A.T. Cyclodiene insecticides inhibit GABA_A receptor-regulated chloride transport. *Toxicol. Appl. Pharmacol.* **88(3)**, 313-321 (1987).
2. St. Omer, V. Investigations into mechanisms responsible for seizures induced by chlorinated hydrocarbon insecticides: the role of brain ammonia and glutamine in convulsions in the rat and cockerel. *J. Neurochem.* **18(3)**, 365-374 (1971).
3. Andersen, H.R., Vinggaard, A.M., Rasmussen, T.H., *et al.* Effects of currently used pesticides in assays for estrogenicity, androgenicity, and aromatase activity *in vitro*. *Toxicol. Appl. Pharmacol.* **179(1)**, 1-12 (2002).

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