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Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



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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) 

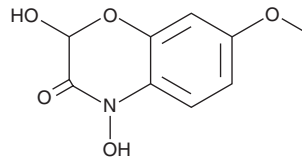
PRODUCT INFORMATION



DIMBOA

Item No. 39647

CAS Registry No.: 15893-52-4
Formal Name: 2,4-dihydroxy-7-methoxy-2H-1,4-benzoxazin-3(4H)-one
MF: C₉H₉NO₅
FW: 211.2
Purity: ≥98%
Supplied as: A solid
Storage: -20°C
Stability: ≥4 years
Item Origin: Synthetic



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

Laboratory Procedures

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

Description

DIMBOA is a benzoxazinoid that has been found in *Z. mays* and has antimicrobial and antioxidant activities.¹ It is active against *S. aureus*, *E. faecalis*, *E. coli*, *K. pneumoniae*, *B. subtilis*, and *P. aeruginosa*, as well as *S. cerevisiae*, in a disc assay when used at a concentration of 2 mg/disc. DIMBOA scavenges DPPH (Item No. 14805) radicals in a cell-free assay (IC₅₀ = 11.31 µg/ml).

Reference

1. Gleńsk, M., Gajda, B., Franiczek, R., *et al.* *In vitro* evaluation of the antioxidant and antimicrobial activity of DIMBOA [2,4-dihydroxy-7-methoxy-2H-1,4-benzoxazin-3(4H)-one]. *Nat. Prod. Res.* **30(11)**, 1305-1308 (2016).

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