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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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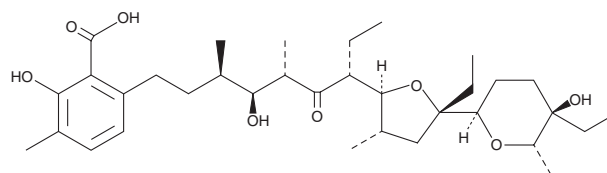
PRODUCT INFORMATION



Lasalocid

Item No. 15505

CAS Registry No.: 25999-31-9
Formal Name: 6-[(3R,4S,5S,7R)-7-[(2S,3S,5S)-5-ethyl-5-[(2R,5R,6S)-5-ethyltetrahydro-5-hydroxy-6-methyl-2H-pyran-2-yl]tetrahydro-3-methyl-2-furanyl]-4-hydroxy-3,5-dimethyl-6-oxononyl]-2-hydroxy-3-methyl-benzoic acid
Synonyms: Antibiotic X 537A, Ionophore X 537A, X 537A
MF: C₃₄H₅₄O₈
FW: 590.8
Purity: ≥98%
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

Lasalocid is supplied as a solid. A stock solution may be made by dissolving the lasalocid in the solvent of choice. Lasalocid is soluble in organic solvents such as ethanol, methanol, DMSO, and dimethyl formamide, which should be purged with an inert gas.

Description

Lasalocid is an ionophore antibiotic isolated from certain *Streptomyces* sp. and used in veterinary practice as a coccidiostat for gastrointestinal parasites.¹ Lasalocid cytotoxicity targets cell metabolism, demonstrating EC₅₀ values in the range of 7-20 μM in viability assays using chicken hepatoma LMH cells and rat myoblast L6 cells.²

References

1. Migita, A., Watanabe, M., Hirose, Y., *et al.* Identification of a gene cluster of polyether antibiotic lasalocid from *Streptomyces lasaliensis*. *Biosci. Biotechnol. Biochem.* **73(1)**, 169-176 (2009).
2. Radko, L., Cybulski, W., and Rzeski, W. The protective effect of silybin against lasalocid cytotoxic exposure on chicken and rat cell lines. *Biomed. Res. Int.* **2013**, 1-8 (2013).

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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