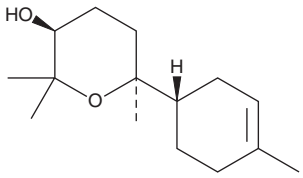
PRODUCT INFORMATION

Bisabolol oxide A

Item No. 46064

CAS Registry No.: 22567-36-8
Formal Name: (3S,6S)-tetrahydro-2,2,6-trimethyl-6-[(1S)-4-methyl-3-cyclohexen-1-yl]-2H-pyran-3-ol
Synonym: α-Bisabolol oxide A
MF: $C_{15}H_{26}O_2$
FW: 238.4
Purity: ≥95%
Supplied as: A 10 mg/ml solution in ethanol
Storage: -20°C
Stability: ≥4 years



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

Description

Bisabolol oxide A is an oxygenated sesquiterpene that has been found in *M. chamomilla* and has antibacterial and anticancer activities.[1-3] It is active against Gram-positive (MICs = 1.56-3.125 mg/ml) and Gram-negative bacteria (MICs = 3.125 mg/ml for all).[2] Liposomal nanoparticles containing bisabolol oxide A induce apoptosis and inhibit the migration of DU145 prostate cancer cells.[3]

References

1. Lu, J., Jiang, Z., Dang, J., *et al.* GC-MS combined with fast GC E-Nose for the analysis of volatile components of chamomile (*Matricaria chamomilla* L.). *Foods* **13(12),** 1865 (2024).
2. Alimi, D., Hraoui, M., Hajri, A., *et al.* Bioactivity and molecular docking studies of selected plant compounds. *J. Sci. Food Agric.* **104(7),** 4391-4399 (2024).
3. Fekri Kohan, S., Arefi Khorrami, Z., Bahrevar Fatideh, F., *et al.* Anticancer effects of bisabolol oxide A-loaded micellar/liposomal nanoparticles on DU-145 cells with deregulation of miR-34a and miR-181a: In silico and in vitro studies. *BMC Biotechnol.* **26(1),** 107 (2026).

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.

WARRANTY AND LIMITATION OF REMEDY
Buyer agrees to purchase the material subject to Cayman's Terms and Conditions. Complete Terms and Conditions including Warranty and Limitation of Liability information can be found on our website.

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