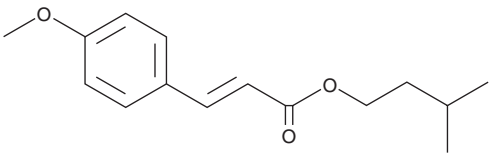
PRODUCT INFORMATION

Amiloxate

Item No. 46273

CAS Registry No.: 71617-10-2
Formal Name: 3-(4-methoxyphenyl)-2-propenoic acid, 3-methylbutyl ester
Synonyms: IAMC, IMC, Isoamyl 4-Methoxycinnamate, Isoamyl *p*-Methoxycinnamate, NSC 408332
MF: $C_{15}H_{20}O_3$
FW: 248.3
Purity: ≥98%
Supplied as: A liquid
Storage: -20°C
Stability: ≥4 years



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

Laboratory Procedures

Amiloxate is supplied as a liquid. A stock solution may be made by dissolving the amiloxate in the solvent of choice, which should be purged with an inert gas. Amiloxate is soluble (≥10 mg/ml) in ethanol and DMSO.

Description

Amiloxate is a UV filter.[1] It reduces ear edema induced by phorbol 12-myristate 13-acetate (PMA; Item No. 10008014) by 83.05 and 70.16% before and after UV irradiation, respectively, in mice. Amiloxate has been found in corals, seawater, and marine sediment.[2] Formulations containing amiloxate have been used as sun protectants in sunscreen products.

References

1. Couteau, C., Couteau, O., Chauvet, C., *et al.* The effect of ultraviolet radiation on the anti-inflammatory effect of filters. *Int. J. Pharm.* **452(1-2),** 124-127 (2013).
2. Chang, F., Yin, X., Ju, H., *et al.* Organic ultraviolet filters in Hainan coral reefs: Distribution, accumulation, and ecological risks. *Environ. Pollut.* **367,** 125541 (2025).

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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