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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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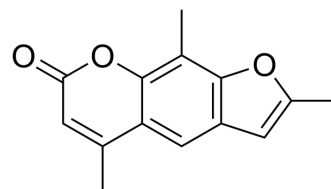
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Trioxsalen (Standard)

Cat. No.:	HY-B1157R
CAS No.:	3902-71-4
Molecular Formula:	C ₁₄ H ₁₂ O ₃
Molecular Weight:	228.24
Target:	DNA Alkylator/Crosslinker
Pathway:	Cell Cycle/DNA Damage
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description

Trioxsalen (Standard) is the analytical standard of Trioxsalen. This product is intended for research and analytical applications. Trioxsalen (Trisoralen), a psoralen derivative, is a photochemical DNA crosslinker. Trioxsalen only works after photoactivation with near ultraviolet light. Trioxsalen is a photosensitizer that can be used for the research of vitiligo and hand eczema. Trioxsalen is used for visualization of genomic interstrand cross-links localized by laser photoactivation^{[1][2][3]}.

REFERENCES

- [1]. M T Chuan, et al. Effectiveness of psoralen photochemotherapy for vitiligo. *J Formos Med Assoc.* 1999 May;98(5):335-40.
- [2]. A Marco van Coevorden, et al. Comparison of oral psoralen-UV-A with a portable tanning unit at home vs hospital-administered bath psoralen-UV-A in patients with chronic hand eczema: an open-label randomized controlled trial of efficacy. *Arch Dermatol.* 2004 Dec;140(12):1463-6.
- [3]. A Kuusilehto, et al. The effect of PUVA on langerhans cells in rat oral epithelium photosensitized with systemic methoxsalen or topical trioxsalen. *Photodermatol Photoimmunol Photomed.* 2000 Jun;16(3):129-33.
- [4]. L F Cohen, et al. Interstrand DNA crosslinking by 4,5'8-trimethylpsoralen plus monochromatic ultraviolet light. Studies by alkaline elution in mouse L1210 leukemia cells. *Biochim Biophys Acta.* 1980 Nov 14;610(1):56-63.
- [5]. H Sánchez Ruderisch, et al. Trioxsalen in the presence of UVA is able to induce nuclear factor kappa B binding activity in HaCaT keratinocytes. *Skin Pharmacol Appl Skin Physiol.* Sep-Oct 2002;15(5):335-41.

Caution: Product has not been fully validated for medical applications. For research use only.

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