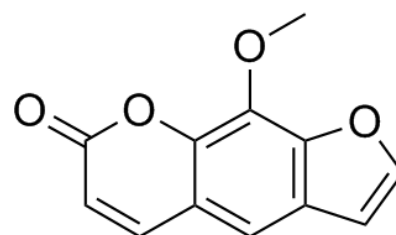


Product Name : Methoxsalen
Cat. No. : PC-45788
CAS No. : 298-81-7
Molecular Formula : C₁₂H₈O₄
Molecular Weight : 216.1895
Target : Cytochrome P450 (CYPs)
Solubility : 10 mM in DMSO



Biological Activity

Methoxsalen (8-Methoxypsoralen, Xanthotoxin, 8-MOP) is a potent tricyclic furocoumarin suicide that used to treat psoriasis, eczema, vitiligo and some cutaneous lymphomas in conjunction with exposing the skin to sunlight. Methoxsalen inhibits human **CYP2A6** and mouse **CYP2A5**, inhibits nicotine metabolism and alters the behavioral effects of nicotine in the mouse. Methoxsalen also induces Ca²⁺ entry in MG63 human osteosarcoma cells.

References

- Lu YC, et al. Chin J Physiol. 2017 Jun 30;60(3):174-182.
Alsharari SD, et al. Nicotine Tob Res. 2014 Jan;16(1):18-25.
Bagdas D, et al. Neuropharmacology. 2014 Oct;85:67-72.

Caution: Product has not been fully validated for medical applications. Lab Use Only!

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