Web: www.taiclone.com
Tel: +886-2-2735-9682
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Methoxsalen

Catalog No: tcsc1983

Available Sizes

Size: 1g

Specifications

CAS No:
298-81-7

Formula:
$C_{12}H_8O_4$

Pathway:
Metabolic Enzyme/Protease

Target:
Cytochrome P450

Purity / Grade:
>98%

Solubility:
H2O : DMSO : 50 mg/mL (231.28 mM; Need ultrasonic)

Alternative Names:
8-Methoxypsoralen;Xanthotoxin;8-MOP

Observed Molecular Weight:
216.19

References

Alsharari SD, et al. Pharmacokinetic and Pharmacodynamics Studies of Nicotine After Oral Administration in Mice: Effects of Methoxsalen, a CYP2A5/6 Inhibitor. Nicotine Tob Res. 2014 Jan;16(1):18-25

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Notes

Biological activity: Methoxsalen (8-Methoxypsoralen) is a potent tricyclic furocoumarin suicide inhibitor of CYP (cytochrome P-450), is an agent used to treat psoriasis, eczema, vitiligo and some cutaneous Lymphomas in conjunction with exposing the skin to sunlight. Target: CYP (cytochrome P-450) Methoxsalen is a drug used to treat psoriasis, eczema, vitiligo, and some cutaneous lymphomas in conjunction with exposing the skin to UVA light from lamps or sunlight. Methoxsalen modifies the way skin cells receive the UVA radiation, allegedly clearing up the disease. The dosage comes in 10 mg tablets, which are taken in the amount of 30 mg 75 minutes before a PUVA (psoralen + UVA) light treatment. Chemically, methoxsalen belongs to a class of organic natural molecules known asfuranocoumarins. They consist of coumarin annulated with furan. Administration of intra peritoneal (ip) methoxsalen significantly increased nicotine's Cmax, prolonged the plasma half-life (fourfold decrease) of nicotine, and increased its area under the curve (AUC) compared with ip vehicle treatment. Methoxsalen pretreatment prolonged the duration of nicotine-induced antinociception and hypothermia (15mg/kg, po) for periods up to 6- and 24-hr postnicotine administration, respectively.

Product Description

Methoxsalen (8-Methoxypsoralen) is a potent tricyclic furocoumarin suicide inhibitor of CYP (cytochrome P-450), is an agent used to treat psoriasis, eczema, vitiligo and some cutaneous Lymphomas in conjunction with exposing the skin to sunlight.

Target: CYP (cytochrome P-450)

Methoxsalen is a drug used to treat psoriasis, eczema, vitiligo, and some cutaneous lymphomas in conjunction with exposing the skin to UVA light from lamps or sunlight. Methoxsalen modifies the way skin cells receive the UVA radiation, allegedly clearing up the disease. The dosage comes in 10 mg tablets, which are taken in the amount of 30 mg 75 minutes before a PUVA (psoralen + UVA) light treatment. Chemically, methoxsalen belongs to a class of organic natural molecules known asfuranocoumarins. They consist of coumarin annulated with furan.

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