Psoralen (Ficusin), DNA synthesis inhibitor

Overview

Product name: Psoralen (Ficusin), DNA synthesis inhibitor

Description: Covalently cross-links DNA to produce toxic lesions

Biological description: Covalently cross-links DNA to produce toxic lesions. Activated by UV light at wavelengths 320 to 400 nm. Photosensitizing, cross-linking and anthelmintic agent. Active in vivo and in vitro.

Purity: > 98%

CAS Number: 66-97-7

Chemical structure:

Properties

Chemical name: Furo[3,2-g]chromen-7-one

Molecular weight: 186.16

Molecular formula: C_{11}H_{16}O_{3}

PubChem identifier: 6199

Storage instructions: Store at Room Temperature. The product can be stored for up to 12 months.

Solubility overview: Soluble in ethanol to 50 mM

Handling: Wherever possible, you should prepare and use solutions on the same day. However, if you need to make up stock solutions in advance, we recommend that you store the solution as aliquots in tightly sealed vials at -20°C. Generally, these will be useable for up to one month. Before use, and prior to opening the vial we recommend that you allow your product to equilibrate to room temperature for at least 1 hour.

Need more advice on solubility, usage and handling? Please visit our frequently asked questions (FAQ) page for more details.

SMILES: C1=CC(=O)OC2=CC3=C(C(=CO3)C=C2)1

Source: Psoralea sp.

Please note: All products are “FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES, NOT FOR USE IN HUMANS”
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