Psoralen (Ficusin), DNA synthesis inhibitor  ab143442

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 \textit{in vivo} and \textit{in vitro}.
Purity  > 98%

Properties

Chemical name  Furo[3,2-g]chromen-7-one
Molecular weight  186.16
Chemical structure

Molecular formula  C_{11}H_{6}O_{3}
CAS Number  66-97-7
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 \(-20^\circ\text{C}\). 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=C21
Source  \textit{Psoralea} sp.

\textbf{Please note:} All products are \textit{“FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE, NOT FOR USE IN HUMANS”}
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