[Product Information]

Name: Psoralen
Catalog No.: CFN97142
Cas No.: 66-97-7
Purity: > 98%
M.F: C_{11}H_{6}O_{3}
M.W: 186.2
Physical Description: Powder
Synonyms: 7H-furo[3,2-g]chromen-7-one.

[Intended Use]

1. Reference standards;
2. Pharmacological research;
3. Synthetic precursor compounds;
4. Intermediates & Fine Chemicals;
5. Others.

[Source]

The seeds of Psoralea corylifolia L.

[Biological Activity or Inhibitors]
Psoralen crosslinking between human immunodeficiency virus type 1 RNA and primer tRNA3(Lys).[1]

Psoralens and UVA light selectively inhibit binding to the higher-affinity EGF receptors, an effect analogous to that of the phorbol ester tumor promoters, since EGF is a growth-regulatory peptide, the ability of psoralens and UVA light to inhibit EGF binding may underlie the biologic effects of these agents in the skin.[2]

Psoralen induces DNA adducts are substrates for the base excision repair pathway in human cells.[3]

Psoralen induces a persistent intracellular DNA damage at a specific site and to afford prolonged transcription inhibition.[4]

[ Solvent ]
Chloroform, Dichloromethane, Ethyl Acetate, DMSO, Acetone, etc.

[ HPLC Method ][5]
Mobile phase: Methanol -0.4% Phosphoric acid H2O=40:60;
Flow rate: 1.0 ml/min;
Column temperature: 25 ℃;
The wavelength of determination: 245 nm.

[ Storage ]
2-8℃, Protected from air and light, refrigerate or freeze.

[ References ]

[ Contact ]
Address: S5-3 Building, No. 111, Dongfeng Rd., Wuhan Economic and Technological Development Zone, Wuhan, Hubei 430056, China
Email: info@chemfaces.com
Tel: +86-27-84237783
Fax: +86-27-84254680
Web: www.chemfaces.com
Tech Support: service@chemfaces.com