



Product Information

Product ID P7358

CAS No. 66-97-7

Chemical Name

Synonym Ficusin

Formula $C_{11}H_6O_3$

Formula Wt. 186.16

Melting Point 163-164 °C

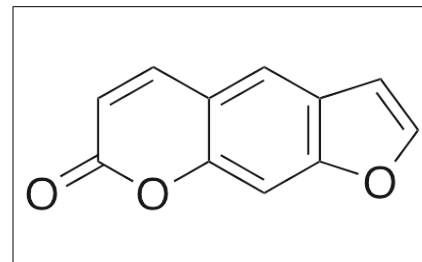
Purity ≥98%

Solubility Soluble in ethanol (10 mg/ml), ethyl acetate, acetone, and water (1.93 mg/ml at 25 °C).

Store Temp Ambient

Ship Temp Ambient

Description Psoralen is a furanocoumarin compound originally found in *Psoralea corylifolia* that exhibits anti-angiogenic activity. Psoralen is currently used to treat psoriasis with the additional of UVA light. Psoralen inhibits angiogenesis and induces G0/G1 phase cell cycle arrest and apoptosis in endothelial cells. This compound also inhibits topoisomerase I and induces DNA interstrand crosslinks and monoadducts, displaying carcinogenic potential as well.



Pricing and Availability

Bulk quantities available upon request

Product ID	Size	List Price
P7358	10 mg	\$101.50
P7358	25 mg	\$203.10
P7358	100 mg	\$553.80

References Chopra B, Dhingra AK, Dhar KL. *Psoralea corylifolia* L. (Buguchi) - folklore to modern evidence: review. *Fitoterapia*. 2013 Oct;90:44-56. PMID: 23831482.

Diwan R, Malpathak N. Furanocoumarins: novel topoisomerase I inhibitors from *Ruta graveolens* L. *Bioorg Med Chem*. 2009 Oct 1;17(19):7052-5. PMID: 19736019.

Derheimer FA, Hicks JK, Paulsen MT, et al. Psoralen-induced DNA interstrand cross-links block transcription and induce p53 in an ataxia-telangiectasia and rad3-related-dependent manner. *Mol Pharmacol*. 2009 Mar;75(3):599-607. PMID: 19064630.

Deng H, Yan CL, Hu Y, et al. Photochemotherapy inhibits angiogenesis and induces apoptosis of endothelial cells in vitro. *Photodermatol Photoimmunol Photomed*. 2004 Aug;20(4):191-9. PMID: 15238097.

Caution: This product is intended for laboratory and research use only. It is not for human or drug use.