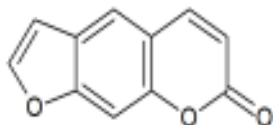


# Psoralen

**ALTERNATE NAME:** NSC 404562  
Furocoumarin  
7H-furo[3,2-g][1]benzopyran-7-one  
Ficusin

**CATALOG #:** B2778-5 5 mg  
B2778-25 25 mg

**STRUCTURE:**



**MOLECULAR FORMULA:** C<sub>11</sub>H<sub>6</sub>O<sub>3</sub>

**MOLECULAR WEIGHT:** 186.17

**CAS NUMBER:** 66-97-7

**APPEARANCE:** White to off-white solid

**PURITY:** ≥98%

**SOLUBILITY:** ~30 mg/ml DMSO

**DESCRIPTION:** Psoralen belongs to the family of furanocoumarins that intercalates and induces interstrand cross-links in DNA. On UV exposure psoralen is excited leading to irreversible intercalation with DNA by covalent bond formation. This property of psoralen ultraviolet A light (PUVA) is exploited in treating skin diseases and cutaneous T-cell lymphoma. It may be useful in treating osteoporosis.

**STORAGE TEMPERATURE:** -20°C. Protect from light

**HANDLING:** Do not take internally. Wear gloves and mask when handling the product! Avoid contact by all modes of exposure.

**RELATED PRODUCTS:**

Ellipticine (9579)  
Amsacrine (B2445)  
Pixantrone maleate (1958)

**DISCLAIMER:** *FOR RESEARCH USE ONLY! Not to be used on humans.*