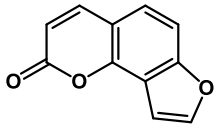
Angelicin (Isopsoralen)

Name of the Phytochemical	**Angelicin (Isopsoralen)**
Chemical Structure	
Botanical Source	Psoralea corylifolia
CAS Number	523-50-2
Functional Activity	• Shown to prevent tacrine-induced cytotoxicity in human liver-derived HepG2 cells • weakly inhibits topoisomerase II • Exhibits anti-fungal activity
Key References	**1.** Anti-influenza drug discovery: structure-activity relationship and mechanistic insight into novel angelicin derivatives. **Journal of medicinal chemistry, 2010, 53, 1519-1533** **2.** Angelicin regulates LPS-induced inflammation via inhibiting MAPK/NF-κB pathways. **The Journal of surgical research, 2013, 185, 300-309** **3.** Antibacterial compounds from the seeds of Psoralea corylifolia. **Fitoterapia, 2004, 75, 228-230** **4.** Bakuchicin induces vascular relaxation via endothelium-dependent NO-cGMP signaling. **Phytotherapy Research 2011, 25, 1574-1578** **5.** DNA polymerase and topoisomerase II inhibitors from Psoralea corylifolia. **J. Nat. Prod.1998, 61, 362-366** **6.** Angelicin-A furocoumarin compound with vast biological potential. **Front Pharmacol. 2020, 11, 366**

	7. Anti-Influenza Drug Discovery: Structure−Activity Relationship and Mechanistic Insight into Novel Angelicin Derivatives. J. Med. Chem. 2010, 53, 1519–1533 **8.** Differential Effects of Angelicin Analogues on NF-κB Activity and IL-8 Gene Expression in Cystic Fibrosis IB3-1 Cells. **Mediators of Inflammation. 2017, (2), 1-11**