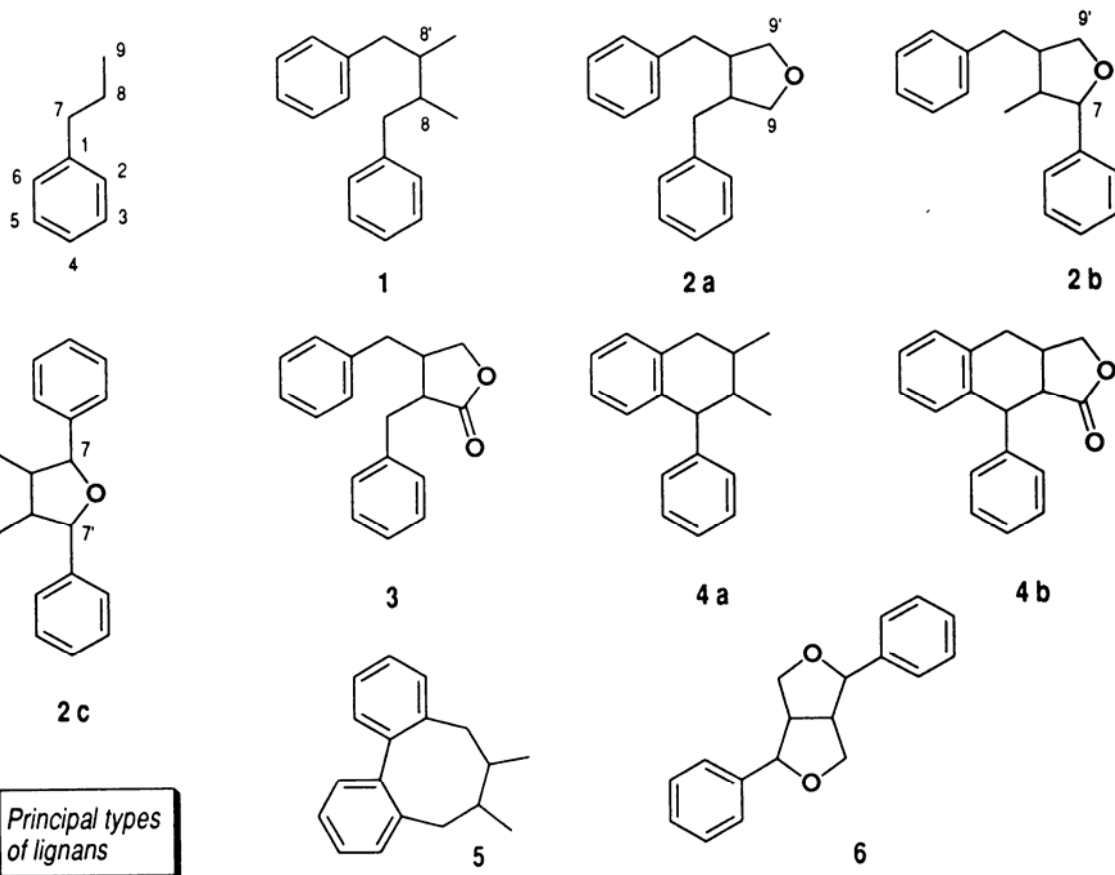


2.1.3 Lignany, neolignany a podobné sloučeniny

Kondenzace 2-5 fenylypropanových jednotek, podle způsobu kondenzace typ lignanu



1 – dibenzylbutany

2 – monofuranoidní lignany

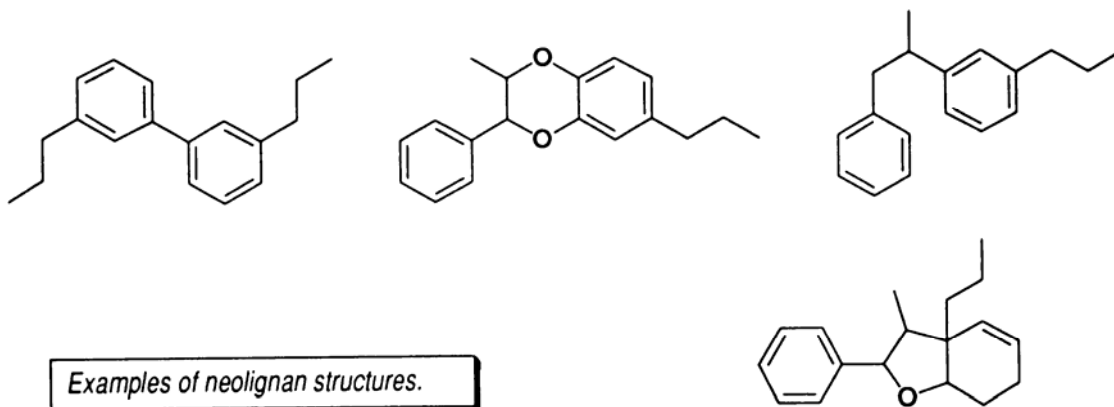
3 – butyrolaktony

4 – arylnaftaleny

5 – dibenzocyklooktany

6 – furanofuranoidní lignany

neolignany – nesymetrické spojení fenylypropanových jednotek

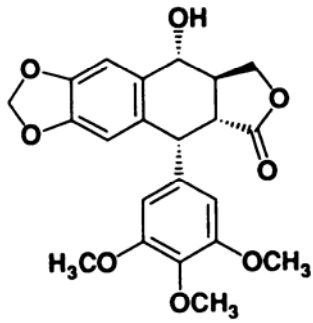


lignany chemotaxon. široce rozšířeny, několik stovek sloučeniny, 70 čeledí
neolignany úzce rozšířeny: Magnoliales, Piperales

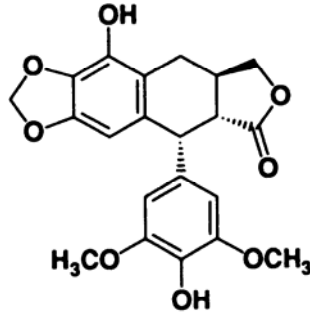
Lignany

Podofylotoxiny:

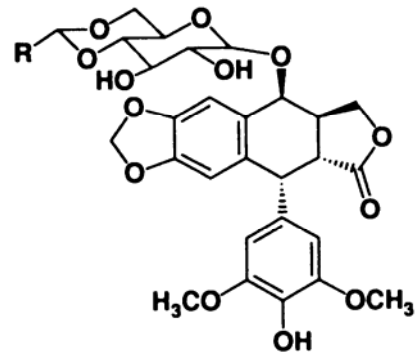
☞ Berberidaceae - *Podophyllum peltatum*



Podophyllotoxin



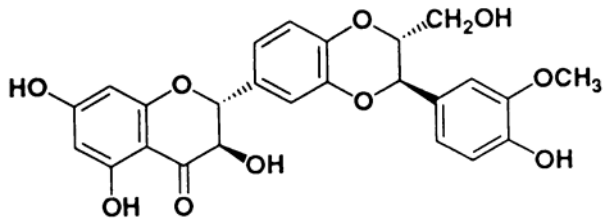
α -*Peltatin*



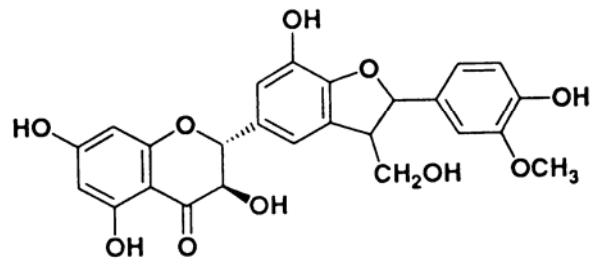
R = CH₃, *Etoposide*
R = thienyl, *Teniposide*

Flavonolignany:

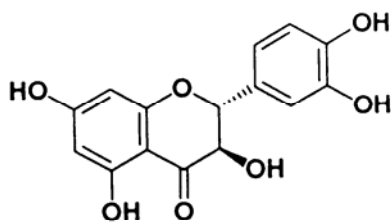
☞ Asteraceae - *Silybum marianum*



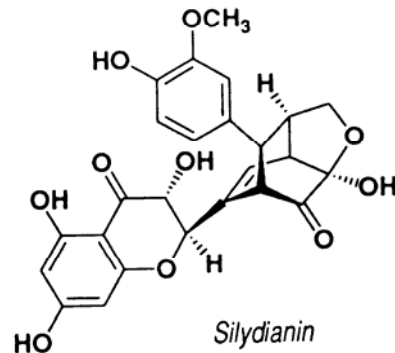
Silybin



Silychristin



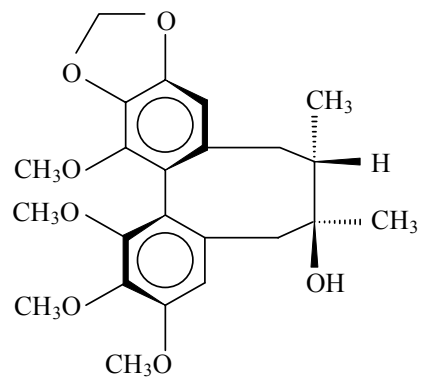
Taxifoline



Silydianin

Dibenzocyklooptadieny:

☞ Schisandraceae - *Schisandra chinensis*



schisandrin