



Molecular Weight: 374.39
Accurate Mass: 374.136555
Percentage Composition: C 64.16%; H 5.92%; O 29.91%
Biological Source: Isol. from *Phenax angustifolius*
Optical Rotation: $[\alpha]_{\text{D}}^{25} -39.1$ (c, 0.5 in MeOH)
UV: [neutral] λ_{max} 233 (log ϵ 4.15); 282 (log ϵ 3.75) (MeOH)

>> **Derivative:** 3',4'-Di-Me ether, 4-*O*- β -D-glucopyranoside

Molecular Formula: C₂₆H₃₂O₁₂
Molecular Weight: 536.532
Accurate Mass: 536.18938
Percentage Composition: C 58.20%; H 6.01%; O 35.78%
Biological Source: Isol. from *Phenax angustifolius*
Optical Rotation: $[\alpha]_{\text{D}}^{25} -57.5$ (c, 0.5 in MeOH)

>> **Derivative:** 3,3',4'-Tri-Me ether

Synonym(s): Trachelogenin

CAS Registry Number: 34209-69-3

Molecular Formula: C₂₁H₂₄O₇
Molecular Weight: 388.416
Accurate Mass: 388.152205
Percentage Composition: C 64.94%; H 6.23%; O 28.83%
Biological Source: Constit. of *Amberboa* sp., *Ipomoea cairica*, *Arctium* sp., *Cnicus* sp., *Saussurea* sp. and *Trachelospermum* sp.
Use/Importance: Shows anti-HIV and antihypertensive activity
Physical Description: Needles
Melting Point: Mp 139-141°
Optical Rotation: $[\alpha]_{\text{D}}^{23} -43.5$ (c, 0.25 in EtOH)
Calculated Log P Data: Log P 1.12 (calc)
UV: [neutral] λ_{max} 229 (ϵ 8300); 280 (ϵ 4700) (MeOH) (Berdy)

>> **Derivative:** 3,3',4'-Tri-Me ether, 4-*O*- β -D-glucopyranoside

Synonym(s): Tracheloside

CAS Registry Number: 33464-71-0

Molecular Formula: C₂₇H₃₄O₁₂
Molecular Weight: 550.558
Accurate Mass: 550.20503
Percentage Composition: C 58.90%; H 6.22%; O 34.87%
Biological Source: Constit. of *Trachelospermum* spp. and *Carthamus tinctorius*
Physical Description: Cryst. (EtOAc)
Melting Point: Mp 168-170°
Optical Rotation: $[\alpha]_{\text{D}}^{20} -60$ (EtOH)

>> **Derivative:** 3,3',4,4'-Tetra-Me ether

Synonym(s): 8-Hydroxy-3,3',4,4'-tetramethoxylignan-9,9'-olide. Methyltrachelogenin

CAS Registry Number: 33464-73-2

Extra CAS Registry Numbers(s): 41328-83-0

Molecular Formula: C₂₂H₂₆O₇
Molecular Weight: 402.443
Accurate Mass: 402.167855
Percentage Composition: C 65.66%; H 6.51%; O 27.83%
Melting Point: Mp 97-98.5°
Optical Rotation: $[\alpha]_{\text{D}}^{28} -46.9$ (c, 1.4 in EtOH)