Synonym(s): 7,8-Dimethoxy-5-prenyloxycoumarin. **Neoartanin**

CAS Registry Number: 104196-69-2

Molecular Formula: $C_{16}H_{18}O_5$
Molecular Weight: 290.315
Accurate Mass: 290.115425
Percentage Composition: C 66.20%; H 6.25%; O 27.56%
Biological Source: Constit. of *Artemisia laciniata*
Physical Description: Cryst.
Melting Point: Mp 110-111°

>>**Derivative:** 7,8-Di-Me ether, 5-*O*-(2,3-epoxy-3-methylbutyl)
Synonym(s): Neoartaninepoxide

CAS Registry Number: 104196-70-5

Molecular Formula: $C_{16}H_{18}O_6$
Molecular Weight: 306.315
Accurate Mass: 306.11034
Percentage Composition: C 62.74%; H 5.92%; O 31.34%
Biological Source: Constit. of *Artemisia laciniata*
Physical Description: Cryst.
Melting Point: Mp 145-146°
Optical Rotation: $[\alpha]_D^{20}$ –8 (c, 0.2 in $CHCl_3$)

>>**Derivative:** 7,8-Di-Me ether, 5-*O*-(2,3-dihydroxy-3-methylbutyl)
Synonym(s): Neoartanindiol

CAS Registry Number: 104196-71-6

Molecular Formula: $C_{16}H_{20}O_7$
Molecular Weight: 324.33
Accurate Mass: 324.120905
Percentage Composition: C 59.25%; H 6.22%; O 34.53%
Biological Source: Constit. of *Artemisia laciniata*
Physical Description: Cryst.
Melting Point: Mp 126-128°
Optical Rotation: $[\alpha]_D^{20}$ +30 (c, 0.2 in $CHCl_3$)

>>**Derivative:** Tri-Me ether
Synonym(s): 5,7,8-Trimethoxy-2*H*-1-benzopyran-2-one, ^{9Cl}. 5,7,8-Trimethoxycoumarin

CAS Registry Number: 60796-65-8

Molecular Formula: $C_{12}H_{12}O_5$
Molecular Weight: 236.224
Accurate Mass: 236.068475
Percentage Composition: C 61.02%; H 5.12%; O 33.86%
Biological Source: Isol. from *Ruta* spp. and *Toddalia aculeata*
Melting Point: Mp 179-180° (165°)

>>**Derivative:** 7,8-Methylene ether

References: