



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

CAS Registry Number: 104196-69-2

Molecular Formula: C₁₆H₁₈O₅

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: C₁₆H₁₈O₆

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: [α]_D²⁰ -8 (c, 0.2 in CHCl₃)

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

Synonym(s): Neoartanindiol

CAS Registry Number: 104196-71-6

Molecular Formula: C₁₆H₂₀O₇

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: [α]_D²⁰ +30 (c, 0.2 in CHCl₃)

>> **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: C₁₂H₁₂O₅

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: