



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

**CAS Registry Number:** 104196-69-2

**Molecular Formula:** C<sub>16</sub>H<sub>18</sub>O<sub>5</sub>

**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<sub>16</sub>H<sub>18</sub>O<sub>6</sub>

**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:** [ $\alpha$ ]<sub>D</sub><sup>20</sup> -8 (c, 0.2 in CHCl<sub>3</sub>)

>>**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<sub>16</sub>H<sub>20</sub>O<sub>7</sub>

**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:** [ $\alpha$ ]<sub>D</sub><sup>20</sup> +30 (c, 0.2 in CHCl<sub>3</sub>)

>>**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<sub>12</sub>H<sub>12</sub>O<sub>5</sub>

**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: