Molecular Formula: $C_{16}H_{14}O_4$
Molecular Weight: 270.284
Accurate Mass: 270.08921
Percentage Composition: C 71.10%; H 5.22%; O 23.68%
Biological Source: Constit. of *Hydrangea macrophylla* var. *thunbergii*
Melting Point: Mp 124°
Other Data: Isol. in 1973: shown to be the racemate in 1997

>>**Derivative:** 6-Hydroxy
Synonym(s): 3,4-Dihydro-6,8-dihydroxy-3-(4-hydroxyphenyl)isocoumarin. **Thunberginol C**

CAS Registry Number: 147517-06-4

Molecular Formula: $C_{15}H_{12}O_5$
Molecular Weight: 272.257
Accurate Mass: 272.068475
Percentage Composition: C 66.17%; H 4.44%; O 29.38%
Biological Source: Constit. of *Hydrangea macrophylla* var. *thunbergii*
Physical Description: Needles (MeOH)
Melting Point: Mp 197-198°

>>**Derivative:** 3',6-Dihydroxy
Synonym(s): 3-(3,4-Dihydroxyphenyl)-3,4-dihydro-6,8-dihydroxyisocoumarin. **Thunberginol D**

CAS Registry Number: 147517-07-5

Molecular Formula: $C_{15}H_{12}O_6$
Molecular Weight: 288.256
Accurate Mass: 288.06339
Percentage Composition: C 62.50%; H 4.20%; O 33.30%
Biological Source: Constit. of *Hydrangea macrophylla* var. *thunbergii*
Physical Description: Needles (MeOH)
Melting Point: Mp 199-200°

>>**Variant:** (ξ)-form

Molecular Formula: $C_{15}H_{12}O_4$
Molecular Weight: 256.257
Accurate Mass: 256.07356
Percentage Composition: C 70.31%; H 4.72%; O 24.97%

>>**Derivative:** *O*-β-D-Glucopyranoside (1)
Synonym(s): Hydrangenolglucoside A

Molecular Formula: $C_{21}H_{22}O_9$
Molecular Weight: 418.399
Accurate Mass: 418.126385
Percentage Composition: C 60.28%; H 5.30%; O 34.42%
Biological Source: Isol. from *Hydrangea macrophylla*
Physical Description: Needles + $2H_2O$
Melting Point: Mp 160° (block)
Optical Rotation: $[\alpha]_D$ +47 (Py)
Other Data: Posn. of glucosyl residue unknown