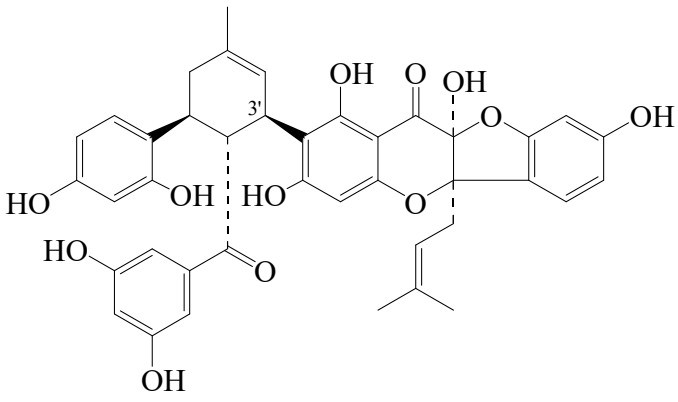
>>**Entry Name: Sanggenon D**



Absolute Configuration

CAS Registry Number: 81422-93-7

Molecular Formula: $C_{40}H_{36}O_{12}$
Molecular Weight: 708.717
Accurate Mass: 708.22068
Percentage Composition: C 67.79%; H 5.12%; O 27.09%

Biological Source: Isol. from *Morus cathayana*
Biological Use/Importance: Shows hypotensive activity
Physical Description: Amorph.
Optical Rotation: $[\alpha]_D^{26}$–145 (c, 0.17 in MeOH)
UV: [neutral] λ_{max} 283 (); 309 () (MeOH) (Berdy)

>>**Derivative:** 3'-Epimer
Synonym(s): Sanggenon C

CAS Registry Number: 80651-76-9

Molecular Formula: $C_{40}H_{36}O_{12}$
Molecular Weight: 708.717
Accurate Mass: 708.22068
Percentage Composition: C 67.79%; H 5.12%; O 27.09%

Biological Source: Isol. from *Morus cathayana*
Biological Use/Importance: Hypotensive
Optical Rotation: $[\alpha]_D$ +304 (MeOH)
UV: [neutral] λ_{max} 283 (ε 25100); 309 (ε 22400) (MeOH) (Berdy)

>>**Derivative:** 2,3,3'-Triepimer
Synonym(s): Sanggenon O

CAS Registry Number: 101664-32-8

Molecular Formula: $C_{40}H_{36}O_{12}$
Molecular Weight: 708.717
Accurate Mass: 708.22068
Percentage Composition: C 67.79%; H 5.12%; O 27.09%
Biological Source: Constit. of the root bark of *Morus cathayana*
Physical Description: Amorph. powder
Optical Rotation: $[\alpha]_D^{25}$–64 (c, 0.13 in MeOH)
UV: [neutral] λ_{max} 220 (sh) (log ε 3.62); 230 (sh) (log ε 3.51); 288 (log ε 3.36); 309 (log ε 3.31); 340 (sh) (log ε 2.99) (EtOH)
Other Data: Struct. revised in 1997 and again in 2001

References:

Nomura, T. *et al.*, *Heterocycles*, 1981, **16**, 2141; 1982, **17**, 381, *(isol, pmr, cmr, ms, uv, struct, Sanggenon C)*
Hano, Y. *et al.*, *Heterocycles*, 1988, **27**, 2315; 1997, **45**, 867, *(abs config, struct)*
Shi, Y.Q. *et al.*, *Heterocycles*, 2001, **54**, 639-646; **55**, 13-20, *(Sanggenon O, abs config)*
Shen, R.-C. *et al.*, *Phytochemistry*, 2001, **57**, 1231-1235, *(abs config)*