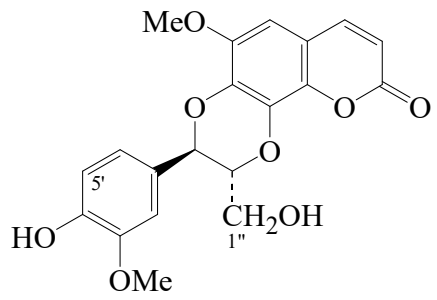
>>**Entry Name: Cleomiscosin A**
Synonym(s): Cleosandrin



CAS Registry Number: 76948-72-6

Molecular Formula: $C_{20}H_{18}O_8$
Molecular Weight: 386.357
Accurate Mass: 386.10017
Percentage Composition: C 62.18%; H 4.70%; O 33.13%
Biological Source: Constit. of *Cleome viscosa, Soulamea soulameoides, Matayba arborescens* and *Cleome icosandra*
Physical Description: Cryst.
Melting Point: Mp 250-252° (247-249°)
Optical Rotation: $[\alpha]_D^{25}0$ (c, 0.5 in MeOH)
UV: [neutral] λ_{max} 211 (ε 29500); 232 (ε 25100); 287 (ε 12600); 325 (ε 17800) (MeOH) (Derep) [neutral] λ_{max} 211 (ε 29500); 232 (ε 25100); 233 (ε 28183); 287 (ε 12600); 288 (ε 6920); 325 (ε 17800) (MeOH) (Berdy) [neutral] λ_{max} 288 (ε 5661); 327 (ε 10550) (EtOH) (Berdy)

>>**Derivative:** 5'-Hydroxy
Synonym(s): 5"-Demethylaquillochin

CAS Registry Number: 305364-91-4

Molecular Formula: $C_{20}H_{18}O_9$
Molecular Weight: 402.357
Accurate Mass: 402.095085
Percentage Composition: C 59.70%; H 4.51%; O 35.79%
Biological Source: Constit. of *Mallotus apelta*
Physical Description: Needles
Melting Point: Mp 245-246°

>>**Derivative:** 5'-Methoxy
Synonym(s): Cleomiscosin C. Aquillochin

CAS Registry Number: 84575-10-0

Molecular Formula: $C_{21}H_{20}O_9$
Molecular Weight: 416.384
Accurate Mass: 416.110735
Percentage Composition: C 60.58%; H 4.84%; O 34.58%
Biological Source: Constit. of *Aquilaria agallocha* and *Cleome viscosa*
Physical Description: Needles (MeOH/EtOAc)
Melting Point: Mp 255°
Optical Rotation: $[\alpha]_D$ 0 (c, 0.08 in MeOH)
Solubility: BERDY SOL: Sol. MeOH, $CHCl_3$; poorly sol. H_2O
UV: [neutral] λ_{max} 232 (ε 25600); 280 (ε 4160); 322 (ε 12160) (MeOH) (Berdy) [base] λ_{max} 258 (); 328 () (MeOH-NAOH) (Berdy)

>>**Derivative:** 5'-Methoxy, 6-demethoxy
Synonym(s): Daphneticin

CAS Registry Number: 83327-22-4

Molecular Formula: $C_{20}H_{18}O_8$
Molecular Weight: 386.357
Accurate Mass: 386.10017
Percentage Composition: C 62.18%; H 4.70%; O 33.13%
Biological Source: Constit. of *Daphne tangutica*
Physical Description: Cryst. (MeOH/Me_2CO)
Melting Point: Mp 235-238°
Solubility: BERDY SOL: Sol. MeOH, $CHCl_3$, toluene; poorly sol. hexane, H_2O
UV: [neutral] λ_{max} 242 (ε 9170); 260 (ε 8892); 317 (ε 11230) (MeOH) (Berdy)

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