



Molecular Formula: C₂₀H₁₈O₁₁
Molecular Weight: 434.356
Accurate Mass: 434.084915
Percentage Composition: C 55.30%; H 4.18%; O 40.52%
Biological Source: Constit. of *Polygonum polystachum*
Physical Description: Cryst. + 2H₂O (EtOH aq.)
Melting Point: Mp 246-247°
Optical Rotation: [α]_D -25.9 (c, 0.168 in MeOH)

>>Derivative: 3'-O- β -L-Arabinofuranoside

Synonym(s): Crateside

CAS Registry Number: 42555-14-6

Molecular Formula: C₂₀H₁₈O₁₁
Molecular Weight: 434.356
Accurate Mass: 434.084915
Percentage Composition: C 55.30%; H 4.18%; O 40.52%
Biological Source: Constit. of *Crataegus monogyna* and *Crataegus pentagyna*

>>Derivative: 3-O- α -L-Arabinopyranoside

Synonym(s): Guaijaverin. Foeniculin $\ddagger$. Guaiaverin

CAS Registry Number: 22255-13-6

Molecular Formula: C₂₀H₁₈O₁₁
Molecular Weight: 434.356
Accurate Mass: 434.084915
Percentage Composition: C 55.30%; H 4.18%; O 40.52%
Biological Source: Obt. from leaves of *Psidium guajava* and from other plants
Physical Description: Bright yellow needles + H₂O (EtOH aq.)
Melting Point: Mp 256° (anhyd.). Mp 239° (hydrate)
Solubility: BERDY SOL: Sol. EtOH, Et₂O, bases; poorly sol. H₂O, hexane
UV: [neutral] $\lambda_{\max}$ 256 (); 260 (ϵ 28200); 269 (); 358 (); 360 (ϵ 24000) (EtOH) (Berdy)

>>Derivative: 3-O-[3,4,5-Trihydroxybenzoyl-($\rightarrow$ 2)- α -L-arabinopyranoside]

Synonym(s): Quercetin 3-(2-galloylarabinoside)

CAS Registry Number: 128700-95-8

Molecular Formula: C₂₇H₂₂O₁₅
Molecular Weight: 586.462
Accurate Mass: 586.095875
Percentage Composition: C 55.30%; H 3.78%; O 40.92%
Biological Source: Isol. from *Lasiobema japonica*
Physical Description: Yellow prisms (MeOH aq.)
Melting Point: Mp 192-193°
Optical Rotation: [α]_D -125 (c, 0.33 in MeOH)
Solubility: BERDY SOL: Sol. MeOH
UV: [neutral] $\lambda_{\max}$ 267 (ϵ 31000); 355 (ϵ 22000) (MeOH) (Berdy)

>>Derivative: 3-O- β -L-Arabinopyranoside

CAS Registry Number: 94131-44-9

Molecular Formula: C₂₀H₁₈O₁₁
Molecular Weight: 434.356
Accurate Mass: 434.084915
Percentage Composition: C 55.30%; H 4.18%; O 40.52%
Biological Source: Isol. from *Dryas octopetala*
Melting Point: Mp 181-183°
Optical Rotation: [α]_D²¹ -45.6 (c, 1 in MeOH)