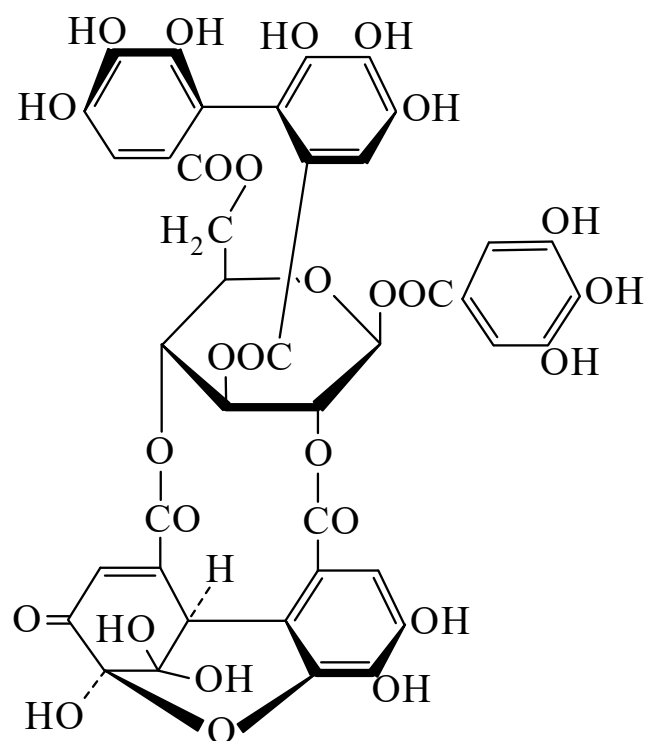




>>Entry Name: Geraniin



CAS Registry Number: 60976-49-0

Molecular Formula: $C_{41}H_{28}O_{27}$

Molecular Weight: 952.656

Accurate Mass: 952.081805

Percentage Composition: C 51.69%; H 2.96%; O 45.35%

General Statement: Struct. shown is present in cryst. state. Equilibrates with an isomer in soln.

Biological Source: Tannin from several *Geranium* spp. and *Mallotus japonicus*. Also from *Nymphaea tetragona*

Use/Importance: Inhibitor of protein kinase C

Physical Description: Yellow cryst. + 6H₂O (MeOH aq.)

Melting Point: Mp 360°

Optical Rotation: $[\alpha]_D^{15} -141$ (c, 0.5 in MeOH)

UV: [neutral] λ_{max} 258 (); 279 (ϵ 24300) (MeOH) (Berdy)

>>Derivative: *O*-(3,4,5-Trihydroxybenzoyl)

Synonym(s): Galloylgeraniin

CAS Registry Number: 131903-29-2

Molecular Formula: $C_{48}H_{32}O_{21}$

Molecular Weight: 944.768

Accurate Mass: 944.143615

Percentage Composition: C 61.02%; H 3.41%; O 35.56%

Biological Source: Isol. from leaves of *Macaranga tanarius*

Physical Description: Tan amorph. powder + 5H₂O

Optical Rotation: $[\alpha]_D^{21} -104.4$ (c, 0.6 in MeOH)

UV: [neutral] λ_{max} 259 () (MeOH) (Berdy)

Other Data: Complete struct. unknown. Substd. at one of the OH's of the 1-galloyl residue (i.e. contains a 1-(galloyl)galloyl group)

>>Derivative: 1-*O*-Degalloyl, 1-*O*-(2-cyano-2-propenyl)

Synonym(s): Aleurinin A

CAS Registry Number: 131158-59-3

Molecular Formula: $C_{38}H_{27}NO_{23}$

Molecular Weight: 865.624

Accurate Mass: 865.097394

Percentage Composition: C 52.73%; H 3.14%; N 1.62%; O 42.51%

Biological Source: Tannin from leaves of *Aleurites fordii*

Physical Description: Yellow amorph. powder + 5H₂O

Optical Rotation: $[\alpha]_D^{18} -65$ (c, 0.65 in MeOH)