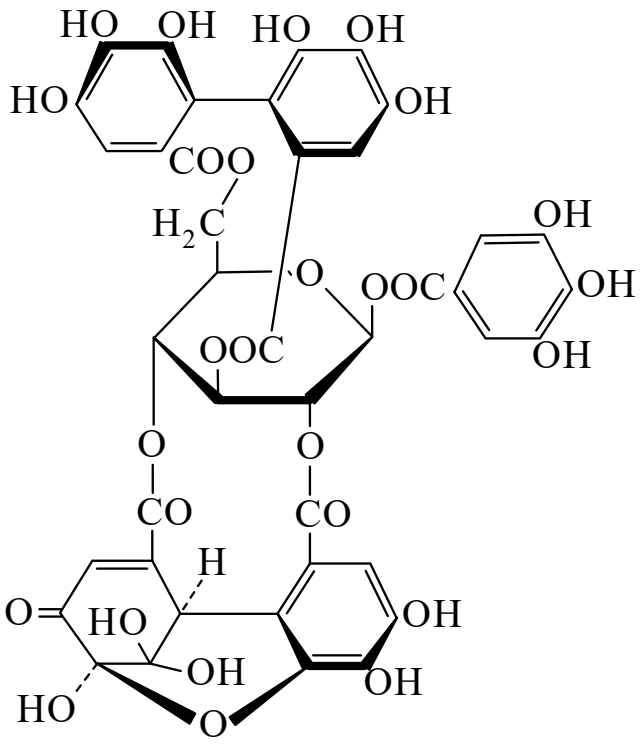
>>**Entry Name: Geraniin**



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. + $6H_2O$ (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 + $5H_2O$
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-(galloylgalloyl) 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 + $5H_2O$
Optical Rotation: $[\alpha]_D^{18}$ –65 (c, 0.65 in MeOH)