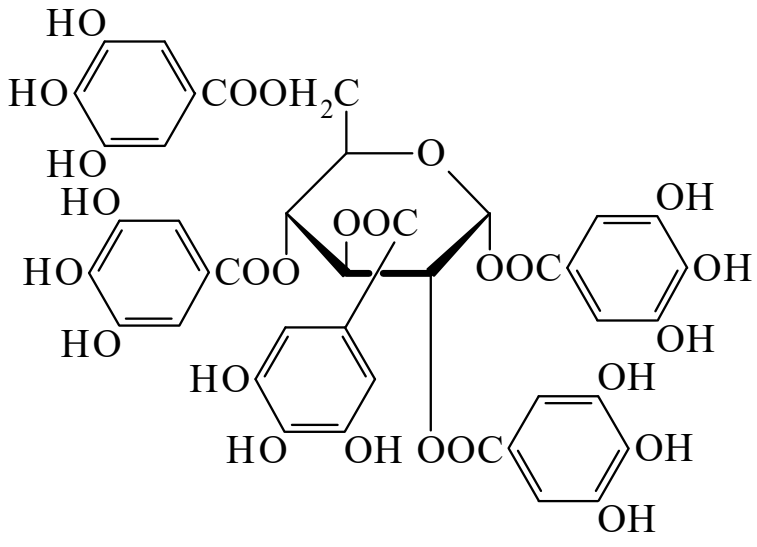
>>**Entry Name: 1,2,3,4,6-Pentagalloylglucose**



a-D-Pyranose-*form*

Related CAS Registry Numbers(s): 52238-31-0 86747-19-5 99877-82-4 99877-84-6 99877-86-8 99877-87-9

Molecular Formula: $C_{41}H_{32}O_{26}$
Molecular Weight: 940.688
Accurate Mass: 940.11819
Percentage Composition: C 52.35%; H 3.43%; O 44.22%
Use/Importance: Possesses antiviral props.
Calculated Log P Data: Log P 2.4 (calc)

>>**Variant:** α-D-Pyranose-form

CAS Registry Number: 70470-10-9

Molecular Formula: $C_{41}H_{32}O_{26}$
Molecular Weight: 940.688
Accurate Mass: 940.11819
Percentage Composition: C 52.35%; H 3.43%; O 44.22%
Biological Source: A gallotannin from the rhizome of *Nuphar japonicum*
Physical Description: Off-white amorph. powder + $5H_2O$
Optical Rotation: $[\alpha]_D^{29}$+134.5 (c, 0.5 in Me_2CO)

>>**Variant:** β-D-Pyranose-form

CAS Registry Number: 14937-32-7

Molecular Formula: $C_{41}H_{32}O_{26}$
Molecular Weight: 940.688
Accurate Mass: 940.11819
Percentage Composition: C 52.35%; H 3.43%; O 44.22%
Biological Source: Isol. from several *Acer* spp., *Quercus* spp. *Rhus* spp. and *Rubus* spp.
Physical Description: Off-white amorph. powder
Optical Rotation: $[\alpha]_D^{20}$+20.5 (c, 1.0 in Me_2CO)

>>**Derivative:** *O*-(3,4,5-Trihydroxybenzoyl)(1)
Synonym(s): 2-*O*-Digalloyl-1,3,4,6-tetra-*O*-galloyl-β-D-glucopyranose

CAS Registry Number: 85249-26-9

Molecular Formula: $C_{48}H_{36}O_{30}$
Molecular Weight: 1092.794
Accurate Mass: 1092.12915
Percentage Composition: C 52.76%; H 3.32%; O 43.92%
Biological Source: Isol. from the twig galls of *Rhus semialata* and *Quercus infectoria*
Physical Description: Light brown amorph. powder
Optical Rotation: $[\alpha]_D^{20}$+11.2 (c, 0.25 in Me_2CO)
Other Data: Contains a digalloyl (galloylgalloyl) residue at C-2