



Product Information

1,2,3,4,6-pentagalloylglucose

Cat. No.: X23-04-XQ183

Size: 20 mg; 50 mg; 100 mg; 200 mg; 500 mg; 1 g; 5 g

MDL: MFCD03788860

CAS Number: 14937-32-7

Compound CID: 65238

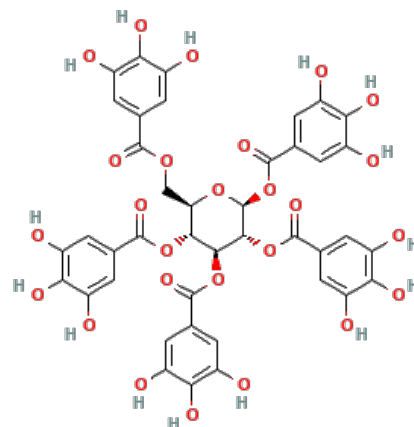
Synonym: 14937-32-7; 131647-34-2; Pentagalloylglucose; Pentagalloyl glucose;

1,2,3,4,6-Pentagalloylglucose; 1,2,3,4,6-Penta-O-galloyl-beta-D-glucose;

beta-Penta-O-galloyl-glucose; 1,2,3,4,6-Pentakis-O-galloyl-beta-D-glucose;

1,2,3,4,6-O-Pentagalloylglucose; 1,2,3,4,6-Penta-O-galloyl-b-D-glucose;

1,2,3,4,6-Pentagalloyl glucose



This product is for research use only and is not intended for diagnostic use.

Product Information

Description	1,2,3,4,6-Pentagalloylglucose is the pentagallic acid ester of glucose that can precipitate proteins, including human salivary α -amylase.
Molecular Weight	940.68
Molecular Formula	$C_{41}H_{32}O_{26}$
IUPAC Name	[(2R,3R,4S,5R,6S)-3,4,5,6-Tetrakis[(3,4,5-trihydroxybenzoyl)oxy]oxan-2-yl]methyl 3,4,5-trihydroxybenzoate
InChI	InChI=1S/C41H32O26/c42-17-1-12(2-18(43)28(17)52)36(57)62-11-27-33(64-37(58)13-3-19(44)29(53)20(45)4-13)34(65-38(59)14-5-21(46)30(54)22(47)6-14)35(66-39(60)15-7-23(48)31(55)24(49)8-15)41(63-27)67-40(61)16-9-25(50)32(56)26(51)10-16/h1-10,27,33-35,41-56H,11H2/t27-,33-,34+,35-,41+/m1/s1
InChI Key	QJYNZEYHSMRWBK-NIKIMHBISA-N
Canonical SMILES	<chem>C1=C(C=C(C(=C1O)O)O)C(=O)OCC2C(C(C(C(O2)OC(=O)C3=CC(=C(C(=C3O)O)O)OC(=O)C4=CC(=C(C(=C4O)O)O)OC(=O)C5=CC(=C(C(=C5O)O)O)OC(=O)C6=CC(=C(C(=C6O)O)O</chem>
Isomeric SMILES	<chem>C1=C(C=C(C(=C1O)O)O)C(=O)OC[C@H]2[C@H]([C@@H]([C@H]([C@@H](O2)OC(=O)C3=CC(=C(C(=C3O)O)O)OC(=O)C4=CC(=C(C(=C4O)O)O)OC(=O)C5=CC(=C(C(=C5O)O)O)OC(=O)C6=CC(=C(C(=C6O)O)O</chem>



Source	The peeled dried roots of <i>Paeonia lactiflora</i> Pall
Form	White powder
Purity	>98%, determined by HPLC.
Solubility	It is soluble in methanol, ethanol and, DMSO and insoluble in petroleum ether and chloroform.
Identity	Confirmed by NMR and MS.
Stability	The product is stable for two years when stored at the recommended temperature.
Applications	1,2,3,4,6-pentagalloylglucose can be used for calming liver and relieving pain, nourishing blood and regulating menstruation, collecting Yin and antiperspirant experiments, <i>etc.</i>
Storage	Store at 4°C. Protect from light.

Safety Information

Personal Protective Equipment	Gloves, eyeshields, N95 mask
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