

## Product Information

### Cornuside I

**Cat. No.:** X23-04-XQ130

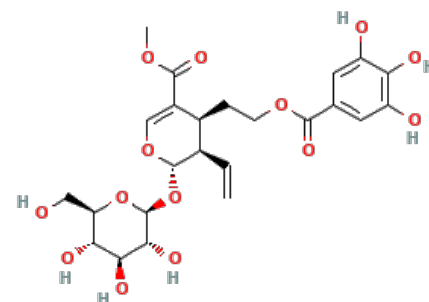
**Size:** 20 mg; 50 mg; 100 mg; 200 mg

**MDL:** MFCD21606970

**CAS Number:** 131189-57-6

**Compound CID:** 11228694

**Synonym:** 131189-57-6; Cornuside; 7-Galloylsecologanol; Comuside;  
7-O-Galloylsecologanol



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

### Product Information

<b>Description</b>	Cornuside is a secoiridoid glucoside, which is a traditional oriental medicine for relieving inflammatory diseases and invigorating blood circulation. Cornuside inhibits mast cell-mediated allergic response by down-regulating MAPK and NF-κB signaling pathways.
<b>Molecular Weight</b>	542.49
<b>Molecular Formula</b>	C <sub>34</sub> H <sub>50</sub> O <sub>20</sub>
<b>IUPAC Name</b>	Methyl (2S,3R,4S) )-3-ethenyl-4-[2-(3,4,5-trihydroxybenzoyl)oxy ethyl]-2-[(2S,3R,4S,5S,6R) )-3,4,5-trihydroxy-6-(hydroxymethyl)oxan-2-yl]oxy-3,4-dihydro-2H-pyran-5-carboxylate
<b>InChI</b>	InChI=1S/C24H30O14/c1-3-11-12(4-5-35-21(32)10-6-14(26)17(28)15(27)7-10)13(22(33)34-2)9-36-2 3(11)38-24-20(31)19(30)18(29)16(8-25)37-24/h3,6-7,9,11-12,16,18-20,23-31H,1,4-5,8H2,2H3/t11-,1 2+,16-,18-,19+,20-,23+,24+/m1/s1
<b>InChI Key</b>	SMTKSCGLXONVGL-UPIRYGIPSA-N
<b>Canonical SMILES</b>	COC(=O)C1=COC(C(C1CCOC(=O)C2=CC(=C(C(=C2)O)O)O)C=C)OC3C(C(C(C(O3)CO)O)O)O
<b>Isomeric SMILES</b>	COC(=O)C1=CO[C@H]([C@@H]([C@@H]1CCOC(=O)C2=CC(=C(C(=C2)O)O)O)C=C)O[C@H]3[C@@H]([C@H]([C@@H]([C@H](O3)CO)O)O)O
<b>Source</b>	The dried and ripe flesh of <i>Cornus dogwood</i>
<b>Form</b>	Off-white crystal
<b>Purity</b>	>98%, determined by HPLC.
<b>Solubility</b>	It is soluble in methanol, DMSO, insoluble in petroleum ether and other solvents.



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<b>Identity</b>	Confirmed by NMR and MS.
<b>Stability</b>	The product is stable for two years when stored at the recommended temperature.
<b>Applications</b>	Cornuside I can be used for the research of liver cancer, esophagus cancer, lung cancer, stomach and cardia cancer and leukopenia.
<b>Storage</b>	Store at 4°C. Protect from light.

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### Safety Information

<b>Personal Protective Equipment</b>	Gloves, eyeshields, N95 mask
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