

## Product Information

### Polydatin

**Cat. No.:** X23-04-XQ389

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

**MDL:** MFCD00210592

**CAS Number:** 27208-80-6

**Compound CID:** 5281718

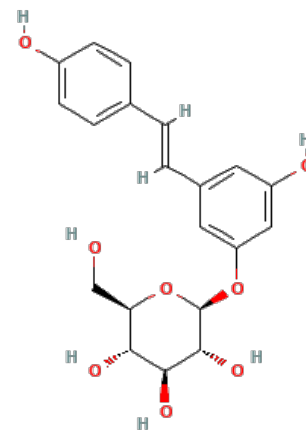
**Synonym:** 27208-80-6; 65914-17-2; Piceid; Trans-Piceid;

3,4,5-Trihydroxystilbene-3-beta-monoglucoside;

(2*S*,3*R*,4*S*,5*S*,6*R*

)-2-(3-Hydroxy-5-(4-hydroxystyryl)phenoxy)-6-(hydroxymethyl)tetrahydro-2H-

pyran-3,4,5-triol



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

### Product Information

<b>Description</b>	Polydatin, a type of polyphenolic phytoalexin, has many physiological and pharmacological effects including anti-inflammatory and anti-oxidative activities.
<b>Molecular Weight</b>	390.38
<b>Molecular Formula</b>	C <sub>20</sub> H <sub>22</sub> O <sub>8</sub>
<b>IUPAC Name</b>	(2 <i>S</i> ,3 <i>R</i> ,4 <i>S</i> ,5 <i>S</i> ,6 <i>R</i> )-2-[3-Hydroxy-5-[( <i>E</i> )-2-(4-hydroxyphenyl)ethenyl]phenoxy]-6-(hydroxymethyl)oxane-3,4,5-triol
<b>InChI</b>	InChI=1S/C20H22O8/c21-10-16-17(24)18(25)19(26)20(28-16)27-15-8-12(7-14(23)9-15)2-1-11-3-5-13(22)6-4-11/h1-9,16-26H,10H2/b2-1+/t16-,17-,18+,19-,20-/m1/s1
<b>InChI Key</b>	HSTZMXCBWJGKKG-CUYWLFDKSA-N
<b>Canonical SMILES</b>	C1=CC(=CC=C1C=CC2=CC(=CC(=C2)OC3C(C(C(C(O3)CO)O)O)O)O)O
<b>Isomeric SMILES</b>	C1=CC(=C C=C1/C=C/C2=CC(=CC(=C2)O[C@H]3[C@@H]([C@H]([C@@H]([C@H]([C@H](O3)CO)O)O)O)O)O)O
<b>Source</b>	Root of <i>Polygonaceae</i>
<b>Form</b>	White crystalline powder
<b>Purity</b>	>98%, determined by HPLC.
<b>Solubility</b>	It is easily soluble in methanol, ethanol, acetone, insoluble in cold water, soluble in hot water.
<b>Identity</b>	Confirmed by NMR and MS.



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<b>Stability</b>	The product is stable for two years when stored at the recommended temperature.
<b>Melting Point</b>	223-226°C
<b>Applications</b>	Polydatin can be used for suppressing cough, removing phlegm, scavenging free radicals, and regulating blood lipids experiments, <i>etc.</i>

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### Safety Information

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