

## Product Information

### Naringin

**Cat. No.:** X22-05-ZQ397

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

**MDL:** MFCD00148888

**CAS Number:** 10236-47-2

**Compound CID:** 442428

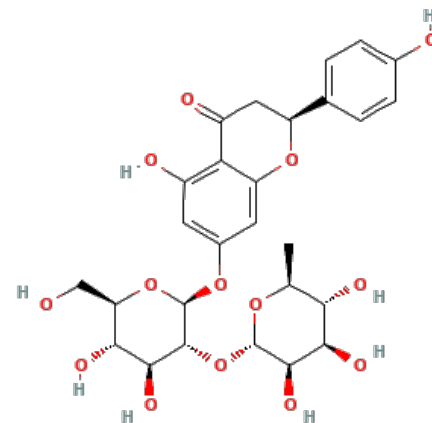
**Synonym:** 10236-47-2; Naringin; Naringoside;

(2S)-7-[(2S,3R,4S,5S,6R

)-4,5-Dihydroxy-6-(hydroxymethyl)-3-[(2S,3R,4R,5R,6S

)-3,4,5-trihydroxy-6-methyloxan-2-yl]oxyoxan-2-yl]oxy-5-Hydroxy-2-(4-hydroxyphenyl)-

2,3-dihydrochromen-4-one



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

### Product Information

<b>Description</b>	Naringin is a flavanone glycoside, which exerts a variety of pharmacological effects such as antioxidant activity, blood lipid lowering, anticancer activity, and inhibition of cytochrome P450 enzymes. This product can be used for research in the fields of medicine and pharmacy.
<b>Molecular Weight</b>	580.54
<b>Molecular Formula</b>	C <sub>27</sub> H <sub>32</sub> O <sub>14</sub>
<b>IUPAC Name</b>	(2S)-7-[(2S,3R,4S,5S,6R)-4,5-Dihydroxy-6-(hydroxymethyl)-3-[(2S,3R,4R,5R,6S)-3,4,5-trihydroxy-6-methyloxan-2-yl]oxyoxan-2-yl]oxy-5-Hydroxy-2-(4-hydroxyphenyl)-2,3-dihydrochromen-4-one
<b>InChI</b>	InChI=1S/C27H32O14/c1-10-20(32)22(34)24(36)26(37-10)41-25-23(35)21(33)18(9-28)40-27(25)38-13-6-14(30)19-15(31)8-16(39-17(19)7-13)11-2-4-12(29)5-3-11/h2-7,10,16,18,20-30,32-36H,8-9H2,1H3/t10-,16-,18+,20-,21+,22+,23-,24+,25+,26-,27+/m0/s1
<b>InChI Key</b>	DFPMSGMNTNDNHN-ZPHOTFPESA-N
<b>Canonical SMILES</b>	CC1C(C(C(C(O1)OC2C(C(C(OC2OC3=CC(=C4C(=O)CC(OC4=C3)C5=CC=C(C=C5)O)O)CO)O)O)O)O)O
<b>Isomeric SMILES</b>	C[C@H]1[C@@H]([C@H]([C@H]([C@@H](O1)O[C@@H]2[C@H]([C@@H]([C@H](O[C@H]2OC3=CC(=C4C(=O)C[C@H](OC4=C3)C5=CC=C(C=C5)O)O)CO)O)O)O)O)O
<b>Source</b>	<i>Citrus paradisi</i>



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<b>Part Used</b>	Fruits
<b>Form</b>	Light yellow powder
<b>Purity</b>	≥98%, determined by HPLC.
<b>Solubility</b>	It is soluble in methanol, ethanol, acetone, acetic acid, dilute alkali solution and hot water.
<b>Identity</b>	Confirmed by MS and NMR.
<b>Stability</b>	The product is stable for two years when stored at the recommended temperature.
<b>Melting Point</b>	171°C
<b>Applications</b>	Naringin can be used for research in the fields of medicine and pharmacy.
<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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