

Product Information

Violanthin

Cat. No.: X22-05-ZQ575

Size: 10 mg; 20 mg; 50 mg; 100 mg

CAS Number: 40581-17-7

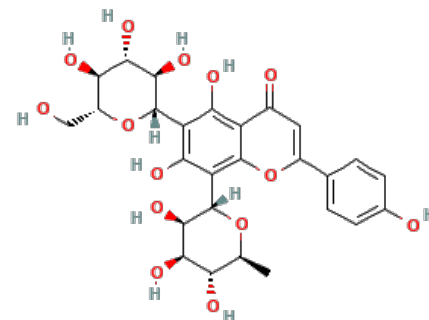
Compound CID: 442665

Synonym: 40581-17-7; Violanthin;

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

)-3,4,5-trihydroxy-6-(hydroxymethyl)oxan-2-yl]-8-[(2*S*,3*R*,4*R*,5*R*,6*S*)-3,4,5-trihydroxy-6-methyloxan-2-yl]chromen-4-one

l)oxan-2-yl]-8-[(2*S*,3*R*,4*R*,5*R*,6*S*)-3,4,5-trihydroxy-6-methyloxan-2-yl]chromen-4-one



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

Product Information

Description	Violanthin has been shown to have an inhibitory effect on fatty acid synthesis and to prevent the production of fatty acids. Violanthin has also been shown to have other effects, including inhibiting the activity of Foxo1 and increasing the activity of PPARalpha. This product can be used for biological activity research.
Molecular Weight	578.52
Molecular Formula	C ₂₇ H ₃₀ O ₁₄
IUPAC Name	5,7-Dihydroxy-2-(4-hydroxyphenyl)-6-[(2 <i>S</i> ,3 <i>R</i> ,4 <i>R</i> ,5 <i>S</i> ,6 <i>R</i>)-3,4,5-trihydroxy-6-(hydroxymethyl)oxan-2-yl]-8-[(2 <i>S</i> ,3 <i>R</i> ,4 <i>R</i> ,5 <i>R</i> ,6 <i>S</i>)-3,4,5-trihydroxy-6-methyloxan-2-yl]chromen-4-one
InChI	InChI=1S/C27H30O14/c1-8-17(31)21(35)23(37)27(39-8)16-20(34)15(26-24(38)22(36)18(32)13(7-28)41-26)19(33)14-11(30)6-12(40-25(14)16)9-2-4-10(29)5-3-9/h2-6,8,13,17-18,21-24,26-29,31-38H,7H2,1H3/t8-,13+,17-,18+,21+,22-,23+,24+,26-,27-/m0/s1
InChI Key	MVOUGOXRQDXDC-RSPRXDBDSA-N
Canonical SMILES	CC1C(C(C(C(O1)C2=C3C(=C(C(=C2O)C4C(C(C(C(O4)CO)O)O)O)O)C(=O)C=C(O3)C5=CC=C(C=C5)O)O)O)O
Isomeric SMILES	C[C@H]1[C@@H]([C@H]([C@H]([C@@H](O1)C2=C3C(=C(C(=C2O)[C@H]4[C@@H]([C@H]([C@@H]([C@H](O4)CO)O)O)O)O)C(=O)C=C(O3)C5=CC=C(C=C5)O)O)O)O
Form	Powder
Purity	≥95%, determined by HPLC.
Identity	Confirmed by MS and NMR.



Stability	The product is stable for two years when stored at the recommended temperature.
Applications	Violanthin can be used for biological activity research.
Storage	Store at 4°C. Protect from light.

Safety Information

Personal Protective Equipment	Gloves, eyeshields, N95 mask
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