

## Product Information

### Fucoxanthin

**Cat. No.:** X23-04-XQ463

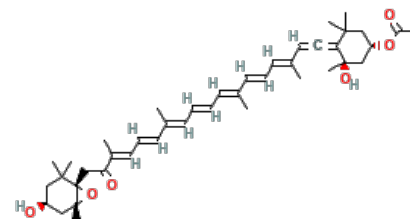
**Size:** 10 mg; 20 mg; 50 mg; 100 mg; 200 mg

**CAS Number:** 3351-86-8

**Compound CID:** 5281239

**Synonym:** 3351-86-8; Fucoxanthin; Fucoxanthol

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



### Product Information

<b>Description</b>	Fucoxanthin has many physiological functions and biological properties, such as antiobesity, antitumor, antidiabetes, antioxidant, anti-inflammatory, and hepatoprotective activities, as well as cardiovascular and cerebrovascular protective effects.
<b>Molecular Weight</b>	658.917
<b>Molecular Formula</b>	C <sub>42</sub> H <sub>58</sub> O <sub>6</sub>
<b>InChI</b>	InChI=1S/C42H58O6/c1-29(18-14-19-31(3)22-23-37-38(6,7)26-35(47-33(5)43)27-40(37,10)46)16-12-13-17-30(2)20-15-21-32(4)36(45)28-42-39(8,9)24-34(44)25-41(42,11)48-42/h12-22,34-35,44,46H,24-28H2,1-11H3/b13-12+,18-14+,20-15+,29-16+,30-17+,31-19+,32-21+/t23?,34-,35-,40+,41+,42-/m0/s1
<b>InChI Key</b>	SJWWTRQNNRNTPU-ABBNZJFMSA-N
<b>Canonical SMILES</b>	CC(=CC=CC=C(C)C=CC=C(C)C(=O)CC12 C(CC(CC1(O <sub>2</sub> )C)O)(C)C)C=CC=C(C)C=C=C3C(CC(CC3(C)O)OC(=O)C)(C)C
<b>Isomeric SMILES</b>	C/C(=C\C=C\C=C(/C)\C=C\C=C(/C)\C(=O)C[C@]12[C@](O1)(C[C@H](CC2(C)C)O)C)/C=C/C=C(\C)/C=C=C3[C@](C[C@H](CC3(C)C)OC(=O)C)(C)O
<b>Form</b>	Red-brown
<b>Purity</b>	>98%, determined by HPLC.
<b>Solubility</b>	It is soluble in methanol, ether, slightly soluble in n-hexane.
<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>Melting Point</b>	158-159°C
<b>Applications</b>	Fucoxanthin can be used for antiobesity, antitumor, antidiabetes, antioxidant, anti-inflammatory, and



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hepatoprotective activity experiments, *etc.*

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**Storage**

Store at 4°C. Protect from light.

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**Safety Information**

**Personal Protective  
Equipment**

Gloves, eyeshields, N95 mask

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