

## Product Information

### Mulberrin

**Cat. No.:** X22-05-ZQ403

**Size:** 5 mg; 10 mg; 20 mg

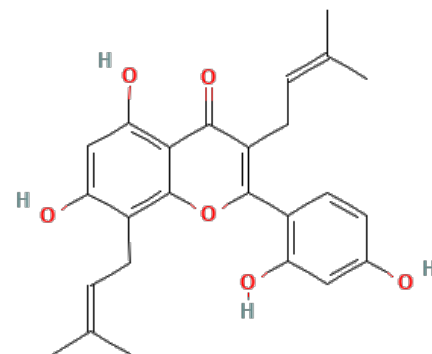
**CAS Number:** 62949-79-5

**Compound CID:** 5481958

**Synonym:** 62949-79-5; Mulberrin; Kuwanon C;

2-(2,4-Dihydroxyphenyl)-5,7-dihydroxy-3,8-bis(3-methylbut-2-enyl)chromen-4-one

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



### Product Information

<b>Description</b>	Mulberrin is a prenylated flavone originally isolated from <i>Morus alba</i> that has diverse biological activities, including antioxidant, antibacterial, antiproliferative, and neuroprotective properties. This product can be used for research in the fields of medicine and pharmacy.
<b>Molecular Weight</b>	422.47
<b>Molecular Formula</b>	C <sub>25</sub> H <sub>26</sub> O <sub>6</sub>
<b>IUPAC Name</b>	2-(2,4-Dihydroxyphenyl)-5,7-dihydroxy-3,8-bis(3-methylbut-2-enyl)chromen-4-one
<b>InChI</b>	InChI=1S/C25H26O6/c1-13(2)5-8-17-20(28)12-21(29)22-23(30)18(9-6-14(3)4)24(31-25(17)22)16-10-7-15(26)11-19(16)27/h5-7,10-12,26-29H,8-9H2,1-4H3
<b>InChI Key</b>	UWQYBLOHTQWSQD-UHFFFAOYSA-N
<b>Canonical SMILES</b>	CC(=CCC1=C2C(=C(C=C1O)O)C(=O)C(=C(O2)C3=C(C=C(C=C3O)O)O)CC=C(C)C)C
<b>Source</b>	<i>Morus alba</i>
<b>Part Used</b>	Root bark
<b>Form</b>	Powder
<b>Purity</b>	≥95%, determined by HPLC.
<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>Applications</b>	Mulberrin 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

**Personal Protective Equipment**      Gloves, eyeshields, N95 mask

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