

Product Information

Macranthoin G

Cat. No.: X22-05-ZQ642

Size: 5 mg; 10 mg; 20 mg

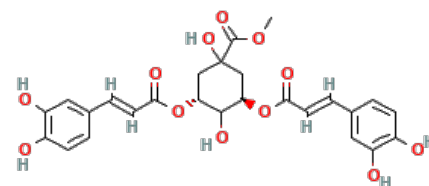
CAS Number: 159934-13-1

Compound CID: 10075681

Synonym: 159934-13-1; 3,5-Di-O-caffeoylquinic acid methyl ester; Methyl

(3*R*,5*R*)-3,5-bis[[*E*

]-3-(3,4-dihydroxyphenyl)prop-2-enoyl]oxy]-1,4-dihydroxycyclohexane-1-carboxylate



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

Product Information

Description	Macranthoin G exhibits neuroprotective effects against the cytotoxicity induced by hydrogen peroxide. This product is widely used in research in the fields of pharmaceuticals, cosmetics and health products.
Molecular Weight	530.48
Molecular Formula	C ₂₆ H ₂₆ O ₁₂
IUPAC Name	Methyl (3 <i>R</i> ,5 <i>R</i>)-3,5-bis[[<i>E</i>]-3-(3,4-dihydroxyphenyl)prop-2-enoyl]oxy]-1,4-dihydroxycyclohexane-1-carboxylate
InChI	InChI=1S/C26H26O12/c1-36-25(34)26(35)12-20(37-22(31)8-4-14-2-6-16(27)18(29)10-14)24(33)21(13-26)38-23(32)9-5-15-3-7-17(28)19(30)11-15/h2-11,20-21,24,27-30,33,35H,12-13H2,1H3/b8-4+,9-5+/t20-,21-,24?,26?/m1/s1
InChI Key	VEBNYMXXIIGFX-IYVYCCGLSA-N
Canonical SMILES	COC(=O)C1(CC(C(C(C1)OC(=O)C=CC2=CC(=C(C=C2)O)O)O)OC(=O)C=CC3=CC(=C(C=C3)O)O)O
Isomeric SMILES	COC(=O)C1(C[C@H](C([C@@H](C1)OC(=O)/C=C/C2=CC(=C(C=C2)O)O)O)OC(=O)/C=C/C3=CC(=C(C=C3)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	Macranthoin G is widely used in research in the fields of pharmaceuticals, cosmetics and health



products.

Storage

Store at 4°C. Protect from light.

Safety Information

Personal Protective

Gloves, eyeshields, N95 mask

Equipment
