

Product Information

Robustaside B

Cat. No.: X22-05-ZQ344

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

CAS Number: 136172-60-6

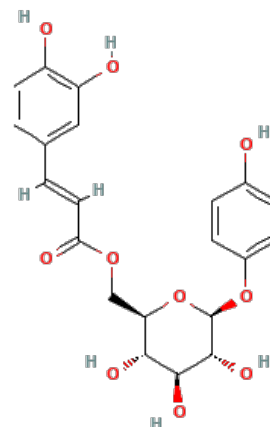
Compound CID: 15689808

Synonym: 136172-60-6; 6-O-Caffeoylarbutin;

[(2*R*,3*S*,4*S*,5*R*,6*S*)-3,4,5-Trihydroxy-6-(4-hydroxyphenoxy)oxan-2-yl]methyl

(*E*)-3-(3,4-dihydroxyphenyl)prop-2-enoate

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



Product Information

Description	Robustaside B possesses antioxidant properties. Robustaside B significantly inhibits mitochondrial lipid peroxidation induced by the Fe ²⁺ /ascorbate system by causing a significant decrease, in the amount of TBARS released by the system. This product can be used for research in the functional product, pharmaceutical, and personal care product industries.
Molecular Weight	434.39
Molecular Formula	C ₂₁ H ₂₂ O ₁₀
IUPAC Name	[(2 <i>R</i> ,3 <i>S</i> ,4 <i>S</i> ,5 <i>R</i> ,6 <i>S</i>)-3,4,5-Trihydroxy-6-(4-hydroxyphenoxy)oxan-2-yl]methyl (<i>E</i>)-3-(3,4-dihydroxyphenyl)prop-2-enoate
InChI	InChI=1S/C21H22O10/c22-12-3-5-13(6-4-12)30-21-20(28)19(27)18(26)16(31-21)10-29-17(25)8-2-11-1-7-14(23)15(24)9-11/h1-9,16,18-24,26-28H,10H2/b8-2+/t16-,18-,19+,20-,21-/m1/s1
InChI Key	OONDLKCAZJZRCW-CTPWMPFQSA-N
Canonical SMILES	C1=CC(=CC=C1O)OC2C(C(C(C(O2)COC(=O)C=CC3=CC(=C(C=C3)O)O)O)O)O
Isomeric SMILES	C1=CC(=CC=C1O)O[C@H]2[C@@H]([C@H]([C@@H]([C@H](O2)COC(=O)/C=C/C3=CC(=C(C=C3)O)O)O)O)O
Form	Powder
Purity	≥98%, determined by HPLC.
Identity	Confirmed by MS and NMR.
Stability	The product is stable for two years when stored at the recommended temperature.
Applications	Robustaside B can be used for research in the functional product, pharmaceutical, and personal care product industries.



Storage

Store at 4°C. Protect from light.

Safety Information

Personal Protective

Gloves, eyeshields, N95 mask

Equipment
