



Product Information

Caffeic acid phenethyl ester

Cat. No.: X22-05-ZQ100

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

MDL: MFCD00866470

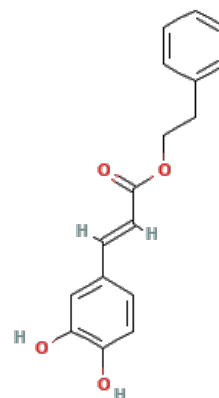
CAS Number: 104594-70-9

Compound CID: 5281787

Synonym: 104594-70-9; Caffeic acid phenethyl ester; Phenethyl caffeate;

2-Phenylethyl (*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	Caffeic acid phenethyl ester is antioxidant, antimutagenic, anticarcinogenic, anti-inflammatory, and antiviral. Specifically inhibits NF-κB activation and inhibits the growth of transformed cells. Also suppresses lipid peroxidation and inhibits ornithine decarboxylase, protein tyrosine kinase, and lipoxygenase activities. This product can be used for research in the fields of medicine and pharmacy.
Molecular Weight	284.311
Molecular Formula	C ₁₇ H ₁₆ O ₄
IUPAC Name	2-Phenylethyl (<i>E</i>)-3-(3,4-dihydroxyphenyl)prop-2-enoate
InChI	InChI=1S/C17H16O4/c18-15-8-6-14(12-16(15)19)7-9-17(20)21-11-10-13-4-2-1-3-5-13/h1-9,12,18-19H,10-11H2/b9-7+
InChI Key	SWUARLUWKZWEBQ-VQHVLOKHSA-N
Canonical SMILES	C1=CC=C(C=C1)CCOC(=O)C=CC2=CC(=C(C=C2)O)O
Isomeric SMILES	C1=CC=C(C=C1)CCOC(=O)/C=C/C2=CC(=C(C=C2)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	Caffeic acid phenethyl ester can be used for research in the fields of medicine and pharmacy.
Storage	Store at 4°C. Protect from light.



Safety Information

Personal Protective Equipment	Gloves, eyeshields, N95 mask
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