

Product Information

Caffeic acid

Cat. No.: X23-04-XQ458

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

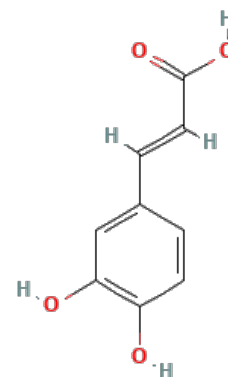
CAS Number: 331-39-5

Compound CID: 689043

Synonym: 331-39-5; Caffeic acid; 3,4-Dihydroxycinnamic acid; Trans-caffeic acid;

3,4-Dihydroxybenzeneacrylic acid; 3-(3,4-Dihydroxyphenyl)acrylic acid

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



Product Information

Description	Caffeic acid is an orally bioavailable, hydroxycinnamic acid derivative and polyphenol, with potential anti-oxidant, anti-inflammatory, and antineoplastic activities.
Molecular Weight	180.15
Molecular Formula	C ₉ H ₈ O ₄
IUPAC Name	(E)-3-(3,4-Dihydroxyphenyl)prop-2-enoic acid
InChI	InChI=1S/C9H8O4/c10-7-3-1-6(5-8(7)11)2-4-9(12)13/h1-5,10-11H,(H,12,13)/b4-2+
InChI Key	QAIPRVGONGVQAS-DUXPYHPUSA-N
Canonical SMILES	C1=CC(=C(C=C1C=CC(=O)O)O)O
Isomeric SMILES	C1=CC(=C(C=C1/C=C/C(=O)O)O)O
Source	The herba of <i>golden-rod of Compositae</i> , the fruit of <i>Rosaceae mountain red</i>
Form	Yellow crystal
Purity	>98%, determined by HPLC.
Solubility	It is slightly soluble in cold water, easily soluble in hot water and cold ethanol.
Identity	Confirmed by NMR and MS.
Stability	The product is stable for two years when stored at the recommended temperature.
Melting Point	194-198°C
Applications	Caffeic acid can be used for anti-oxidant, anti-inflammatory, and antineoplastic activity experiments, <i>etc.</i>
Storage	Store at 4°C. Protect from light.



Safety Information

Personal Protective Equipment Gloves, eyeshields, N95 mask
