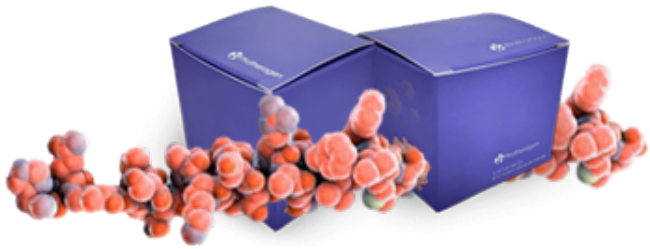
Protheragen
Obesity



Caffeic acid phenethyl ester

Cat. No.:	OB0225WX-2684
Appearance:	Solid
Purity:	≥99%
Identity:	Confirmed by NMR, and HPLC.
Size:	50 mg; 200 mg; 500 mg; 1 g

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

Product Overview

Description	Caffeic acid phenethyl ester is a potent and specific antagonist of NF-kappaB ac tivation that also possesses intrinsic antioxidant, anti-inflammatory, and immun omodulatory properties.
Synonym	CAPE; Phenylethyl Caffeate; 104594-70-9; Phenethyl caffeate; Phenethyl 3-(3,4-di hydroxyphenyl)acrylate; Capeee; Phenylethyl caffeate; Caffeic acid phenylethyl e ster; 2-phenylethyl (*E*)-3-(3,4-dihydroxyphenyl)prop-2-enoate; 2-Propenoic acid, 3-(3,4-dihydroxyphenyl)-, 2-phenylethyl ester; 2-Phenylethyl (2e)-3-(3,4-Dihydroxyphenyl)prop-2-Enoate; 2-phenylethyl caffeate; (*E*)-phenethyl 3-(3 ,4-dihydroxyphenyl)acrylate; MFCD00866470; Caffeic acid-phenethyl ester; Pheneth yl (*E*)-caffeate; Phenethyl 3,4-dihydroxycinnamate; 3-(3,4-Dihydroxyphenyl)-2-propenoic acid 2-phenylethyl ester; Caffeic acid ester; QAP; 2-phenylethyl 3 -(3,4-dihydroxyphenyl)-2-propenoate; Caffeic acidphenethylester; Caffeic acid ph enethylester; Caffeic-acid-phenethyl-ester; Caffeic acid phenylethylester
CAS No.	104594-70-9
Compound CID	5281787
Formula	$C_{17}H_{16}O_4$
Formula Weight	284.31

Specification

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

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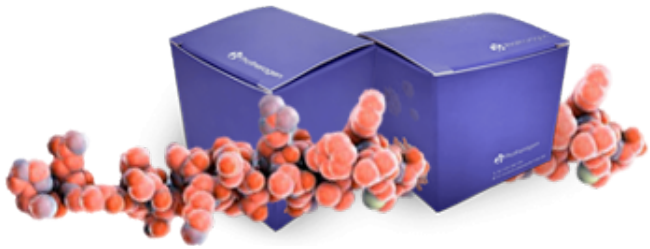

InChI	InChI=1S/C17H16O4/c18-15-8-6-14(12-16(15)19)7-9-17(20)21-11-10-13-4-2-1-3-5-13/h1-9,12,18-19H,10-11H2/b9-7+
InChI Key	SWUARLUWKZWEBQ-VQHVLOKHSA-N
SMILES string	C1=CC=C(C=C1)CCOC(=O)/C=C/C2=CC(=C(C=C2)O)O
Stability	3 years in powder form.
Storage	Storage at -20°C.
Applications	Caffeic acid phenethyl ester is used in biochemical and oncology research as a bioactive derivative of propolis to examine the selective inhibition of NF-kappaB activation and its potent antioxidant and pro-apoptotic activities.

Library Information

Target	NF-κB
Receptor	NF-κB
Pathways	NF-κB
Plate Number	L6700-08
Empty Location	a1-h1; a12-h12
Container	96-well plate
Formulation	10mM DMSO
DMSO Max Solubility	57 mg/mL; 200.49 mM
Ethanol Max Solubility	57 mg/mL
ALogP	3.573
HBA_Count	2
HBD_Count	2
Rotatable Bond	6

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