



Catalog # 10-2265

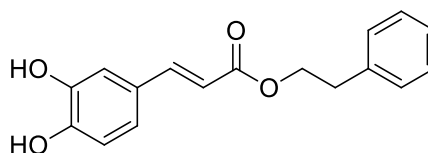
CAPE

CAS# 104594-70-9

Caffeic acid phenethyl ester

3-(3,4-Dihydroxyphenyl)-2-propenoic acid 2-phenylethyl ester

Lot # X101432



Antioxidant. Inhibits NFκB activation and the growth of transformed cells. Inhibits lipid peroxidation and displays antiinflammatory activity. Cell permeable.

- 1) Sud'ine, *et al.* (1993) *Caffeic acid phenethyl ester as a lipoxygenase inhibitor with antioxidant properties*. FEBS Lett. **21** 329
- 2) Natarajan, *et al.*, (1996) *Caffeic acid phenethyl ester is a potent and specific inhibitor of activation of nuclear transcription factor NF-kappa B*. Proc. Natl. Acad. Sci. USA **93** 9090
- 3) Chiao, *et al.* (1995). *Apoptosis and altered redox state induced by caffeic acid phenethyl ester (CAPE) in transformed rat fibroblast cells*. Cancer Res. **55** 3576
- 4) Orban *et.al.* (2000), *Caffeic acid phenethyl ester induces leukocyte apoptosis, modulates nuclear factor-kappa B and suppresses acute inflammation*. Neuroimmunomodulation **7**, 99

PHYSICAL DATA

Molecular Weight:	284.32
Molecular Formula:	C ₁₇ H ₁₆ O ₄
Purity:	>98% TLC
	NMR: (Conforms)
Solubility:	DMSO (up to 25 mg/ml); ethanol (up to 25 mg/mL)
Physical Description:	White solid
Storage and Stability:	Store as supplied at room temperature for up to 2 years from the date of purchase. Protect from exposure to moisture. Solutions in DMSO and ethanol may be stored at -20°C for up to 1 month.

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