

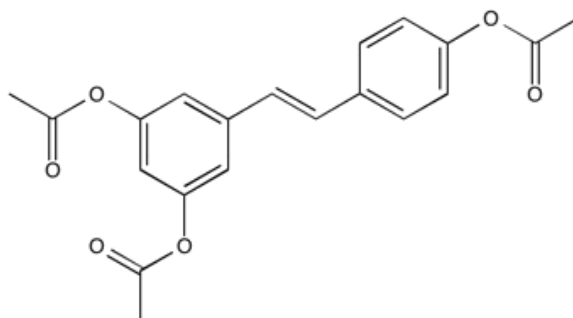
Catalog # 10-2437

Triacetyl resveratrol

CAS# 42206-94-0

5-[(1E)-2-[4-(Acetyloxy)phenyl]ethenyl]-1,3-benzenediol-1,3-diacetate
3,5,4'-Tri-O-acetylresveratrol

Lot # X101097



A resveratrol prodrug. One method for increasing the half-life of resveratrol *in vivo* is acetylation of the phenolic OH groups. Deacetylation takes place *in vivo* or in intact cells via the action of intracellular esterases releasing active resveratrol.

- 1) Hsieh *et al.* (2011), *Control of prostate cell growth, DNA damage and repair and gene expression by resveratrol analogues, in vitro*; *Carcinogenesis*, **32** 93
- 2) Hsieh *et al.* (2011), *Regulation of p53 and cell proliferation by resveratrol and its derivatives in breast cancer cells: an in silico and biochemical approach to targeting integrin $\alpha v \beta 3$* ; *Int. J. Cancer*, **129** 2732

PHYSICAL DATA

Molecular Weight:	364.43
Molecular Formula:	C ₂₀ H ₂₈ O ₆
Purity:	98% by TLC
	NMR: (Conforms)
Solubility:	Soluble in DMSO (up to 25 mg/ml) or in Ethanol (up to 8 mg/ml)
Physical Description:	White solid
Storage and Stability:	Store as supplied, desiccated at -20°C for up to 1 year from the date of purchase. Solutions in DMSO or ethanol may be stored at -20°C for up to 1 month.

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