



LKT Laboratories, Inc.

Triacetyl Resveratrol

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Product Information

Product ID T7132

CAS No. 42206-94-0

Chemical Name [4-[2-(3,5-diacetyloxyphenyl)ethenyl]phenyl] acetate

Synonym Acetyl-trans-resveratrol

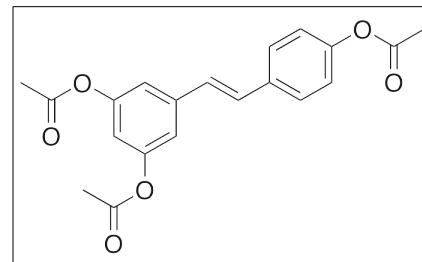
Formula C₂₀H₁₈O₆

Formula Wt. 354.35

Melting Point

Purity ≥99%

Solubility Soluble in DMSO (25mg/ml) or 100% ethanol (warm) (8mg/ml).



Pricing and Availability

Bulk quantities available upon request

Product ID	Size	List Price
T7132	10 mg	\$112.20
T7132	25 mg	\$224.60
T7132	100 mg	\$853.50

Store Temp Ambient

Ship Temp Ambient

Description Triacetyl resveratrol is a resveratrol prodrug designed to improve bioavailability of the parent compound. Triacetyl resveratrol displays a wide variety of anticancer and chemopreventive activities. In an in vitro model of prostate cancer, this compound activated p53, increased levels of p21 and p53R2, and decreased prostate-specific antigen expression, inhibiting cell cycle progression at the G1/S phase in p53-mutated cells and at the SG2/M phase in p53 null cells. In breast cancer cells, triacetyl resveratrol interacted with integrin αvβ3 and induced phosphorylation of ERK and p38, regulating gene expression and proliferation.

References Hsieh TC, Wong C, John Bennett D, et al. Regulation of p53 and cell proliferation by resveratrol and its derivatives in breast cancer cells: an in silico and biochemical approach targeting integrin αvβ3. *Int J Cancer*. 2011 Dec 1;129(11):2732-43. PMID: 21225623.

Hsieh TC, Huang YC, Wu JM. Control of prostate cell growth, DNA damage and repair and gene expression by resveratrol analogues, in vitro. *Carcinogenesis*. 2011 Jan;32(1):93-101. PMID: 21045015.

Caution: This product is intended for laboratory and research use only. It is not for human or drug use.