

Triacetylresveratrol, SIRT activator, prodrug

Catalog	Unit
TBI2437-50MG	50 mg
TBI2437-250MG	250 mg

Product Details

Formal Name: 5-[(1E)-2-[4-(Acetyloxy)phenyl]ethenyl]-1,3-benzenediol-1,3-diacetate

Alternate Names: 3,5,4'-Tri-O-acetylresveratrol

Molecular Formula: C₂₀H₂₈O₆

Formula Weight: 364.40

CAS Number: 42206-94-0

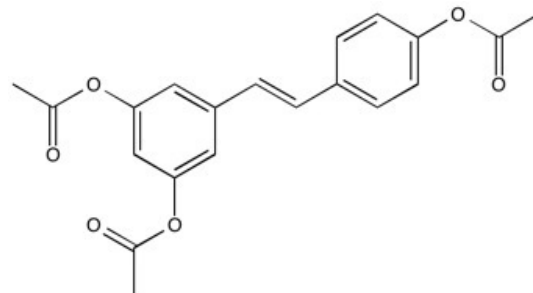
Purity: >98%

Formulation: powder

Solubility: Soluble in DMSO (up to 25 mg/ml) or in Ethanol (up to 8 mg/ml).

Storage: -20°C

Stability: ≥ 2 years.



Applications

SIRT activator, prodrug

Functions

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. CWR22Rv1 cells when exposed to triacetyl resveratrol showed a G1S block concomitant with increased p53 and p21 expression¹. In MCF-7 cells it induced both ERK and p38 phosphorylation².

Application Procedures

First dissolved in DMSO (up to 25 mg/ml) or in Ethanol (up to 8 mg/ml), then diluted to aqueous buffer. Solutions in water, DMSO or ethanol may be stored at -20°C for up to 2 months.

For research use only.