

PRODUCT DATASHEET

For Research Use Only

DESCRIPTION:

Potent phenolic antioxidant found in grapes and red wine [1, 19]. Eicosanoid synthesis and platelet aggregation inhibitor [2]. Estrogen receptor agonist [3]. Chemopreventive [4, 15]. Specific inhibitor of cyclooxygenase-1 (COX-1) [4]. Anti-inflammatory [4, 21]. Ribonucleotide reductase and DNA synthesis [5]. Arrests cell cycle at S/G2 phase [6, 23]. Anticancer and antiproliferative compound [7, 16]. Apoptosis inducer [8, 23]. Protein kinase D inhibitor. Does not inhibit PKC [9]. Autophagy inducer [10, 23]. Potent SIRT1 (sirtuin 1) activator [11, 22]. Neuroprotective [12, 18]. Adipogenesis inhibitor [13]. PGC-1alpha activator [14]. Sonic hedgehog (Shh) signaling pathway modulator. Gli1 mRNA expression inhibitor. Downregulates Gli transcriptional activity [17]. Cardioprotective [19, 21]. Anti-diabetic [20]. Senescence modulator. Extends lifespan [22]. Inhibitor of NLRP3 inflammasome activation [24].

SPECIFIC AGAINST:

Other

BACKGROUND:

TYP:

Chemicals

CATEGORY:

Reagents & Chemicals/APIs

DETAILED - CATEGORY:

Biochemical Compounds

HOW TO HANDLE/USE THE PRODUCT:

STORAGE CONDITIONS:

Stable for 2 years after receipt when stored at -20°C.

STORAGE BUFFER:

Powder

SHIPPED ON DRY ICE:

No

