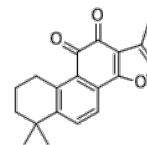


Product Name : Tanshinone IIA
Cat. No. : PC-28062
CAS No. : 568-72-9
Molecular Formula : C₁₉H₁₈O₃
Molecular Weight : 294.35
Target : VEGFR
Solubility : 10 mM in DMSO



Biological Activity

Tanshinone IIA is a major component of the root of red-rooted *Salvia miltiorrhiza* Bunge with potent antitumor activity, suppresses A549 proliferation, induces apoptosis and cell cycle arrest at the S phase by targeting the protein kinase domains of **VEGF/VEGFR2**, also directly inhibits **HDAC6** enzymatic activity and selectively kills U266 and RPMI 8226 myeloma cells.

Tanshinone IIA attenuates myocardial ischemia by targeting **FGFR1** residue Gln284 for allosteric modulation and subsequent autophagy inhibition.

Tanshinone IIA inhibits choroidal neovascularization and restores outer blood-retinal barrier function in Vldlr knockout mice.

Tanshinone IIA induced apoptosis in HL60 human premyelocytic leukemia cell line.

Tanshinone IIA protects against sudden cardiac death induced by lethal arrhythmias via repression of microRNA-1.

References

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Caution: Product has not been fully validated for medical applications. Lab Use Only!

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