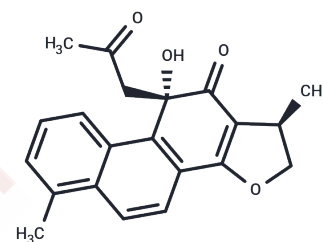


Danshenol A

Chemical Properties

CAS No. : 189308-08-5
 Formula: C₂₁H₂₀O₄
 Molecular Weight: 336.38
 Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year
 Actual storage temperature shall be subject to the COA.



Biological Description

Description	Danshenol A has strong aldose reductase (AR) inhibitory activity, has IC ₅₀ of 0.10 microM which is comparable to that of epalrestat in clinical use. Danshenol A also has antitumor activity in T-24, QGY, K562, Me180 and BIU87 cell lines, shows inhibited growth of K562 (IC ₅₀ = 0.53 µg/mL), T-24 (IC ₅₀ = 7.94 µg/mL), QGY (IC ₅₀ = 4.65 µg/mL) and Me180 (IC ₅₀ = 6.89 µg/mL) cell lines.
Targets(IC ₅₀)	Reactive Oxygen Species, Reductase, ROS

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.9728 mL	14.8641 mL	29.7283 mL
5 mM	0.5946 mL	2.9728 mL	5.9457 mL
10 mM	0.2973 mL	1.4864 mL	2.9728 mL
50 mM	0.0595 mL	0.2973 mL	0.5946 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

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