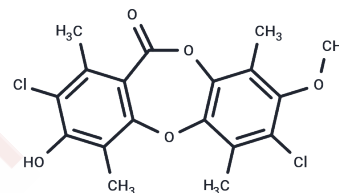


## Vicanicin

## Chemical Properties

CAS No. :	33211-22-2
Formula:	C <sub>18</sub> H <sub>16</sub> Cl <sub>2</sub> O <sub>5</sub>
Molecular Weight:	383.223
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	Vicanicin is an aryl phenol ether compound found in lichens. It inhibits the expression of Hsp70, modulates intracellular redox-sensitive mechanisms, increases reactive oxygen species (ROS) in cancer cells, alters the Bax/Bcl-2 ratio, activates caspase-3, and induces apoptosis. Vicanicin suppresses cell growth and promotes apoptosis in androgen-sensitive (LNCaP) and androgen-insensitive (DU-145) human prostate cancer cells. It holds potential for prostate cancer research.
Targets(IC50)	Apoptosis,HSP,Reactive Oxygen Species,Caspase

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.6095 mL	13.0473 mL	26.0947 mL
5 mM	0.5219 mL	2.6095 mL	5.2189 mL
10 mM	0.2609 mL	1.3047 mL	2.6095 mL
50 mM	0.0522 mL	0.2609 mL	0.5219 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

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