

## Frangulin A

## Chemical Properties

CAS No. : 521-62-0

Formula: C<sub>21</sub>H<sub>20</sub>O<sub>9</sub>

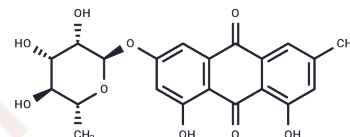
Molecular Weight: 416.38

Storage:

Store at low temperature, Keep away from direct sunlight, Keep away from moisture

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	Frangulin A protects <i>Vitis vinifera</i> leaves from <i>Plasmopara viticola</i> infection and inhibits the first stage of biotrophic hyphal development of <i>P. Viticola</i> .
Targets(IC50)	Others

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.4017 mL	12.0083 mL	24.0165 mL
5 mM	0.4803 mL	2.4017 mL	4.8033 mL
10 mM	0.2402 mL	1.2008 mL	2.4017 mL
50 mM	0.048 mL	0.2402 mL	0.4803 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.

## Reference

Westermann M, et al. Inhibition of human carbonyl reducing enzymes by plant anthrone and anthraquinone derivatives. *Chem Biol Interact.* 2022 Feb 25;354:109823.

Godard S, et al. Induction of defence mechanisms in grapevine leaves by emodin- and anthraquinone-rich plant extracts and their conferred resistance to downy mildew. *Plant Physiol Biochem.* 2009 Sep;47(9):827-37.

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