

## Sanguinarine citrate

## Chemical Properties

CAS No. : 2098782-69-3

Formula: C<sub>26</sub>H<sub>21</sub>N<sub>1</sub>O<sub>11</sub>

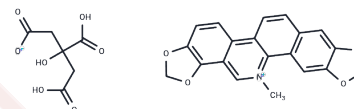
Molecular Weight: 523.45

The compound is unstable in solution. Please use soon

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	Sanguinarine citrate (Pseudochelerythrine chloride) is an alkaloid derived from Sanguinaria Canadensis with antimicrobial, anti-inflammatory, and analgesic activity that is used in the treatment of oral inflammatory diseases such as stomatitis, bleeding gums, and laryngitis.
Targets(IC50)	Antibiotic

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.9104 mL	9.552 mL	19.104 mL
5 mM	0.3821 mL	1.9104 mL	3.8208 mL
10 mM	0.191 mL	0.9552 mL	1.9104 mL
50 mM	0.0382 mL	0.191 mL	0.3821 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

Li P, et al. Sanguinarine caused larval lethality and growth inhibition by suppressing energy metabolism in silkworms, *Bombyx mori*. *Pestic Biochem Physiol*. 2019 Oct;160:154-162.

Khurana S, et al. Designing a two-stage colorimetric sensing strategy based on citrate reduced gold nanoparticles: Sequential detection of Sanguinarine (anticancer drug) and visual sensing of DNA. *Spectrochim Acta A Mol Biomol Spectrosc*. 2021 Feb 5;246:119039.

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