

## 2,3-Didehydrosomnifericin

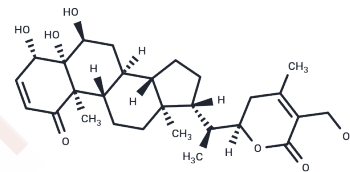
## Chemical Properties

CAS No. : 173614-88-5

Formula: C<sub>28</sub>H<sub>40</sub>O<sub>7</sub>

Molecular Weight: 488.61

Storage: Store at low temperature, Keep away from direct sunlight, Store under nitrogen  
 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	2,3-Didehydrosomnifericin is a compound isolated from <i>Pteris oleifera</i> , a plant of the Solanaceae family.
Targets(IC50)	Others, Antibacterial

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.0466 mL	10.2331 mL	20.4662 mL
5 mM	0.4093 mL	2.0466 mL	4.0932 mL
10 mM	0.2047 mL	1.0233 mL	2.0466 mL
50 mM	0.0409 mL	0.2047 mL	0.4093 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

Balkrishna A, et al. Phytometabolite profiling of Coronil, a herbal medicine for COVID-19, its identification by mass-spectroscopy and quality validation on liquid chromatographic platforms. *J Sep Sci.* 2021 Nov;44(22):4064-4081.  
 Prajapati KS, et al. Withaniasomnifera phytochemicals possess SARS-CoV-2 RdRp and human TMPRSS2 protein binding potential. *Vegetos.* 2023;36(2):701-720.

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