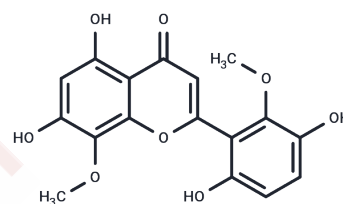


## Viscidulin III

## Chemical Properties

CAS No. :	92519-91-0
Formula:	C <sub>17</sub> H <sub>14</sub> O <sub>8</sub>
Molecular Weight:	346.29
Storage:	Store at low temperature Powder: -20°C for 3 years   In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>



## Biological Description

Description	Viscidulin III (Ganhuangenin) is present in <i>Scutellaria baicalensis</i> and acts as an $\alpha$ -glucosidase inhibitor.
Targets(IC50)	Glucosidase
In vitro	Chromatographic methods were used to separate compounds, spectral methods were used to determine the structures and bioactivities of the flavonoids were screened in several models in vitro. Nine compounds were isolated and identified as baicalein (1), wogonin (2), oroxylin A (3), 5, 7, 2', 6'-tetrahydroxyflavone (4), Viscidulin III (5), baicalin (6), wogonoside (7), oroxylin A-7-O-beta-D-glucuronide (8) and chrysin-6-C-alpha-L-arabinopyranosyl-8-C-beta-D-glucopyranoside (9)[1]

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.8878 mL	14.4388 mL	28.8775 mL
5 mM	0.5776 mL	2.8878 mL	5.7755 mL
10 mM	0.2888 mL	1.4439 mL	2.8878 mL
50 mM	0.0578 mL	0.2888 mL	0.5776 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

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Zhu D, et al. Efficient discovery of potential inhibitors for SARS-CoV-2 3C-like protease from herbal extracts using a native MS-based affinity-selection method. *J Pharm Biomed Anal*. 2022;209:114538.

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