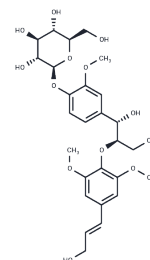


## Citrusin B

## Chemical Properties

CAS No. :	105279-10-5
Formula:	C <sub>27</sub> H <sub>36</sub> O <sub>13</sub>
Molecular Weight:	568.572
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	Citrusin B exhibits moderate in vitro inhibitory effect on tobacco mosaic virus replication with IC <sub>50</sub> values 0.26mmolL <sup>-1</sup> .
In vitro	METHODS AND RESULTS: A new seco-neolignan glycoside, seco-dehydrodiconiferyl alcohol-4-O-β-D-glucopyranoside, together with eight known compounds, were obtained from the EtOH extract of the root bark of Ailanthus altissima. Their structures were elucidated based on the spectroscopic data. CONCLUSIONS: Three neolignan glycosides including 7,9,9'-trihydroxy-3,3',5'-trimethoxy-8-O-4'-neolignan-4-O-β-D-glucopyranoside, sonchifolignan B and Citrusin B exhibited moderate in vitro inhibitory effect on tobacco mosaic virus replication with IC <sub>50</sub> values 0.30, 0.35 and 0.26?mmol?L? 1, respectively.

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.7588 mL	8.794 mL	17.588 mL
5 mM	0.3518 mL	1.7588 mL	3.5176 mL
10 mM	0.1759 mL	0.8794 mL	1.7588 mL
50 mM	0.0352 mL	0.1759 mL	0.3518 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

A new seco-neolignan glycoside from the root bark of Ailanthus altissima. Nat Prod Res. 2012;26(15):1375-80.

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