Data Sheet (Cat.No.TN6395)

TargetMol
A DRUG SCREENING EXPERT

Citrusin B

Chemical Properties

CAS No.:	105279-10-5
Formula:	C27H36O13
Molecular Weight:	N/A
Appearance:	N/A
Storage:	0-4℃ for short term (days to weeks), or -20℃ for long term (months).

Biological Description

Description	Citrusin B exhibits moderate in vitro inhibitory effect on tobacco mosaic virus replication with IC50 values 0.26 mmol L-1.
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 IC50 values 0.30, 0.35 and 0.26 mmol L^{-1}, respectively.

Solubility Information

Solubility	< 1 mg/ml refers to the product slightly soluble or insoluble

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. The storage conditions and period of the stock solution: - 80 ℃ for 6 months; - 20 ℃ for 1 month. Please use it as soon as possible.

Reference

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