

## Phyllostadimer A

## Chemical Properties

CAS No.:	638203-32-4
Formula:	C42H50O16
Molecular Weight:	810.9
Appearance:	N/A
Storage:	0-4°C for short term (days to weeks), or -20°C for long term (months).

## Biological Description

Description	Phyllostadimer A can significantly inhibit liposomal lipid peroxidation.
Targets(IC <sub>50</sub> )	Others: None
In vitro	METHODS AND RESULTS: Phyllostadimer A and Phyllostadimer B, two bis-lignans in which the two lignan units are directly connected by a C-C bond, were isolated from stems of bamboo, <i>Phyllostachys edulis</i> . Their structures were determined on the basis of spectral evidence. In addition, 14 known compounds were also obtained throughout the investigation. CONCLUSIONS: Phyllostadimer A significantly inhibited liposomal lipid peroxidation.

## Solubility Information

Solubility	< 1 mg/ml refers to the product slightly soluble or insoluble
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## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.233 mL	6.166 mL	12.332 mL
5 mM	0.247 mL	1.233 mL	2.466 mL
10 mM	0.123 mL	0.617 mL	1.233 mL
50 mM	0.025 mL	0.123 mL	0.247 mL

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 °C for 6 months; - 20 °C for 1 month. Please use it as soon as possible.

## Reference

- Two lignan dimers from bamboo stems (*Phyllostachys edulis*). *Phytochemistry*. 2003 Nov;64(5):991-6.

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