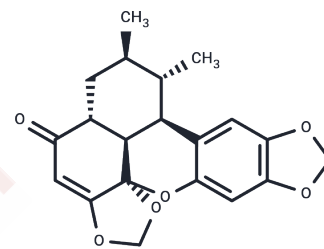


## Sauchinone

## Chemical Properties

CAS No. :	177931-17-8
Formula:	C <sub>20</sub> H <sub>20</sub> O <sub>6</sub>
Molecular Weight:	356.37
Storage:	Keep away from moisture 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	1. Sauchinone is a useful adjunctive treatment for bacterial infection. 2. Sauchinone, an active lignan found in Saururus chinensis, to regulate the activation of HSCs, to prevent liver fibrosis, and to inhibit oxidative stress in vivo and in vitro. 3. Sauchinone diminishes LPS-induced neutrophil activation and acute lung injury. 4. Sauchinone-induced HO-1 expression plays a key role in the vascular protective effects of Sauchinone in HUVEC. 5. Sauchinone protects skin keratinocytes through inhibition of extracellular signal-regulated kinase, c-Jun N-terminal kinase, and p38 MAPK signaling via upregulation of oxidative defense enzymes.
Targets(IC50)	ERK,NF-κB,p38 MAPK

## Solubility Information

Solubility	Chloroform, Dichloromethane, Ethyl Acetate, Acetone, etc.: Soluble, DMSO: 25 mg/mL (70.15 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.8061 mL	14.0304 mL	28.0607 mL
5 mM	0.5612 mL	2.8061 mL	5.6121 mL
10 mM	0.2806 mL	1.403 mL	2.8061 mL
50 mM	0.0561 mL	0.2806 mL	0.5612 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

Han H J , Li M , Son J K , et al. Sauchinone, a lignan from Saururus chinensis, attenuates neutrophil pro-inflammatory activity and acute lung injury[J]. International Immunopharmacology, 2013, 17(2):471-477.

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