

## Nodosin

**Chemical Properties**

CAS No.:	10391-09-0
Formula:	C <sub>20</sub> H <sub>26</sub> O <sub>6</sub>
Molecular Weight:	362.4
Appearance:	N/A
Storage:	0-4°C for short term (days to weeks), or -20°C for long term (months).

**Biological Description**

Description	Nodosin has anti-inflammatory function of Nodosin via inhibition of IL-2. Nodosin perfusion provides a potential protective effect through inducing HO-1 expression to attenuate ischemia/reperfusion injury in liver transplantation.
Targets(IC <sub>50</sub> )	HO-1: None IL Receptor: None
In vitro	In order to explore the anti-inflammatory effects of Nodosin from Isodon serra, a traditional Chinese herb medicine, mouse T lymphocytes were incubated with Nodosin.METHODS AND RESULTS: In the current study, Nodosin suppressed the overproduction of the T lymphocytes; moreover, cell mitosis cycle was modulated by interfering with DNA replication in G1 stages via inhibition of IL-2 cytokine secretion at the mRNA level by Nodosin. Interestingly, Xylene-induced mouse tumescence model results suggested Nodosin depressed the murine ear-swelling extent and the level of IL-2 in the blood serum.CONCLUSIONS: Finally, Nodosin possessed significant anti-inflammatory effects and is a potential candidate for further clinical trial.

**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	2.759 mL	13.797 mL	27.594 mL
5 mM	0.552 mL	2.759 mL	5.519 mL
10 mM	0.276 mL	1.380 mL	2.759 mL
50 mM	0.055 mL	0.276 mL	0.552 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

1. Anti-inflammatory function of Nodosin via inhibition of IL-Am J Chin Med. 2010;38(1):127-42.

Inhibitors · Natural Compounds · Compound Libraries

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