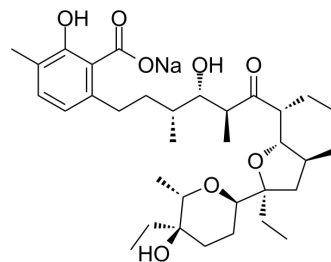


## Lasalocid sodium

Cat. No.:	HY-B1071A
CAS No.:	25999-20-6
Molecular Formula:	C <sub>34</sub> H <sub>53</sub> NaO <sub>8</sub>
Molecular Weight:	612.77
Target:	Bacterial; Autophagy; Antibiotic; Parasite
Pathway:	Anti-infection; Autophagy
Storage:	4°C, sealed storage, away from moisture * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture)



### SOLVENT & SOLUBILITY

In Vitro	DMSO : 100 mg/mL (163.19 mM; Need ultrasonic)						
	Preparing Stock Solutions	Solvent Concentration	Mass	1 mg	5 mg	10 mg	
				1 mM	1.6319 mL	8.1597 mL	16.3193 mL
				5 mM	0.3264 mL	1.6319 mL	3.2639 mL
				10 mM	0.1632 mL	0.8160 mL	1.6319 mL
Please refer to the solubility information to select the appropriate solvent.							
In Vivo	1. Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline Solubility: ≥ 2.5 mg/mL (4.08 mM); Clear solution						
	2. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.5 mg/mL (4.08 mM); Clear solution						

### BIOLOGICAL ACTIVITY

Description	Lasalocid sodium (Lasalocid-A sodium) treatment led to an increase in cell wall thickness, whilst the quantity and sugar composition of the cell wall remained unchanged in BY-2 cells. Lasalocid sodium (Lasalocid-A sodium) treatment enhances enzymatic saccharification efficiency in both BY-2 cells and Arabidopsis plants.
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### CUSTOMER VALIDATION

- Langmuir. 2020 Mar 31;36(12):3184-3192.

See more customer validations on [www.MedChemExpress.com](http://www.MedChemExpress.com)

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## REFERENCES

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[1]. Okubo-Kurihara E et al. Modification of plant cell wall structure accompanied by enhancement of saccharification efficiency using a chemical, lasalocid sodium. Sci Rep. 2016 Oct 3;6:34602.

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**Caution: Product has not been fully validated for medical applications. For research use only.**

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