

## Naringinase

Cat. No.:	HY-129217		
CAS No.:	9068-31-9		
Target:	Glucosidase		
Pathway:	Metabolic Enzyme/Protease		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month

# Naringinase

### SOLVENT & SOLUBILITY

In Vitro	H <sub>2</sub> O : 120 mg/mL (Need ultrasonic)
In Vivo	1. Add each solvent one by one: PBS Solubility: 33.33 mg/mL (Infinity mM); Clear solution; Need ultrasonic

### BIOLOGICAL ACTIVITY

Description	Naringinase, a hydrolytic enzymatic complex, possesses the activity of both $\alpha$ -L-rhamnosidase and $\beta$ -D-glucosidase. Naringinase has wide occurrence in nature. Naringinase can be used in the biotransformation of steroids, antibiotics, and mainly on glycosides hydrolysis <sup>[1][2]</sup> .
In Vitro	Naringinase is used in orange and grapefruit processing to improve pulp washing, increase the recovery yield of essential oils, and to debitter and clarify the juice <sup>[1]</sup> . ?Naringinase can be used in the deglycosylation of glycopeptide antibiotics, flavonoids, or glycolipids <sup>[2]</sup> . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

### REFERENCES

- [1]. Puri M, et, al. Production, purification, and characterization of the debittering enzyme naringinase. *Biotechnol Adv.* 2000 May;18(3):207-17.
- [2]. Ribeiro MH. Naringinases: occurrence, characteristics, and applications. *Appl Microbiol Biotechnol.* 2011 Jun;90(6):1883-95.

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

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