

Naringinase

Chemical Properties

CAS No. : 9068-31-9

Formula:

Molecular Weight:

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year

Actual storage temperature shall be subject to the COA.

Naringinase

Biological Description

Description	Naringinase is a hydrolytic enzymatic complex that exhibits α -L-rhamnosidase and β -D-glucosidase activities. It is widely found in nature and is primarily utilized for the biotransformation of steroids, antibiotics, and glycosides.
Targets(IC50)	Glucosidase, glycosidase
In vitro	Naringinase is employed in the processing of oranges and grapefruits to enhance pulp washing, boost the recovery yield of essential oils, as well as to remove bitterness and clarify the juice [1]. Additionally, it is utilized in the deglycosylation of glycopeptide antibiotics, flavonoids, or glycolipids [2].

Solubility Information

Solubility	H2O: 115 mg/mL, Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Reference

Puri M, et, al. Production, purification, and characterization of the debittering enzyme naringinase. Biotechnol Adv. 2000 May;18(3):207-17.

Ribeiro MH. Naringinases: occurrence, characteristics, and applications. Appl Microbiol Biotechnol. 2011 Jun;90(6):1883-95.

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