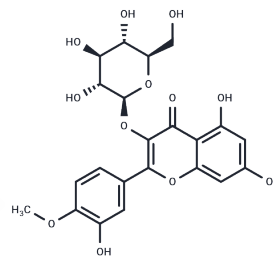


## Tamarixin

## Chemical Properties

CAS No. :	27542-39-8
Formula:	C <sub>22</sub> H <sub>22</sub> O <sub>12</sub>
Molecular Weight:	478.40
Storage:	Keep away from direct sunlight, 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	Tamarixin is a flavonoid compound isolated from <i>Astragalus tanae</i> , a species of <i>Astragalus</i> , and is a 3-O-glucosylated derivative of tamarixetin. Tamarixin exhibits antioxidant, anticancer, anti-inflammatory, and antibacterial activities.
Targets(IC50)	Antibacterial

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.0903 mL	10.4515 mL	20.903 mL
5 mM	0.4181 mL	2.0903 mL	4.1806 mL
10 mM	0.209 mL	1.0452 mL	2.0903 mL
50 mM	0.0418 mL	0.209 mL	0.4181 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

Jaweria Nisar, et al. In vitro comparative evaluation of *Tamarix gallica* extracts for antioxidant and antidiabetic activity. *Exp Biol Med* (Maywood). 2023 Feb;248(3):253-262.

Li F, et al. Phytochemical and pharmacological properties of the genus *Tamarix*: a comprehensive review. *Arch Pharm Res*. 2024;47(5):410-441.

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