

## Albizziin

## Chemical Properties

CAS No. :	585-23-9
Formula:	C <sub>4</sub> H <sub>9</sub> N <sub>3</sub> O <sub>3</sub>
Molecular Weight:	147.13
Storage:	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	Albizziin is a competitive inhibitor of aspartate synthetase and belongs to the class of amino acid analogs. Albizziin can be used to isolate Chinese hamster ovary cell mutants exhibiting altered levels of the target enzyme. These mutants can be classified into different categories based on their cross-resistance to $\beta$ -aspartate hydroxohydroxamic acid.
Targets(IC50)	Others

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	6.7967 mL	33.9836 mL	67.9671 mL
5 mM	1.3593 mL	6.7967 mL	13.5934 mL
10 mM	0.6797 mL	3.3984 mL	6.7967 mL
50 mM	0.1359 mL	0.6797 mL	1.3593 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

KJAER A, et al. Structure of albizziine [L(-)-2-amino-3-ureidopropionic acid], an amino acid from higher plants (Mimosaceae). *Experientia*. 1959;15:253-254.

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