

## Albizziin

## Chemical Properties

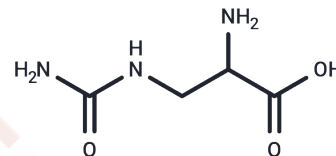
CAS No. : 585-23-9

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

Actual storage temperature shall be subject to the COA.



## Biological Description

Description	Albizziin is amino acid analog which acts as a competitive inhibitor of asparagine synthetase with respect to glutamine. Albizziin has been used to isolate mutants of Chinese hamster ovary cells with alterations in levels of the target enzyme. Several classes of mutations can be distinguished on the basis of cross-resistance to beta-aspartyl hydroxamate, another amino acid analog. Studies on asparagine synthetase indicate that resistance to albizziin may be due to altered regulation of asparagine synthetase, structural mutations of the enzyme, and gene amplification.
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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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