

## Djenkolic Acid

## Chemical Properties

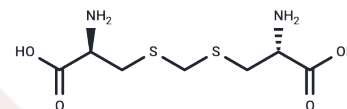
CAS No. : 498-59-9

Formula: C<sub>7</sub>H<sub>14</sub>N<sub>2</sub>O<sub>4</sub>S<sub>2</sub>

Molecular Weight: 254.33

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	Djenkolic Acid (S,S'-Methylenebiscysteine) is a naturally occurring sulfur-containing amino acid extracted from djenkol beans (Archidendron pauciflorum), which is native to Southeast Asia. It is an uncommon but important cause of acute kidney injury in human.
Targets(IC50)	Others, Antibacterial

## Solubility Information

Solubility	5%TFA: 3 mg/mL (11.8 mM), Sonication is recommended. DMSO: 0.1 mg/mL (0.39 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.9319 mL	19.6595 mL	39.319 mL
5 mM	0.7864 mL	3.9319 mL	7.8638 mL
10 mM	0.3932 mL	1.9659 mL	3.9319 mL
50 mM	0.0786 mL	0.3932 mL	0.7864 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

unawan NC, et al. Djenkolism: case report and literature review. Int Med Case Rep J. 2014 Apr 16;7:79-84.

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