Djenkolic acid

Cat. No.: HY-125923

CAS No.: 498-59-9

Molecular Formula: $C_7H_{14}N_2O_4S_2$

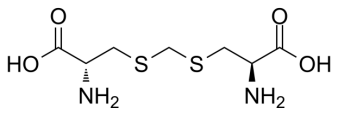
Molecular Weight: 254.33

Target: Others

Pathway: Others

Storage:

Powder	-20°C	3 years
	4°C	2 years
In solvent	-80°C	6 months
	-20°C	1 month



SOLVENT & SOLUBILITY

In Vitro

H_2O : 25 mg/mL (98.30 mM; ultrasonic and adjust pH to 1 with HCl)

Preparing Stock Solutions	Solvent / Mass / Concentration	1 mg	5 mg	10 mg
	1 mM	3.9319 mL	19.6595 mL	39.3190 mL
	5 mM	0.7864 mL	3.9319 mL	7.8638 mL
	10 mM	0.3932 mL	1.9659 mL	3.9319 mL

Please refer to the solubility information to select the appropriate solvent.

BIOLOGICAL ACTIVITY

Description

Djenkolic acid is a sulfur-containing non-protein amino acid naturally found in the djenkol beans of the Southeast Asian plant Archidendron jiringa. Djenkolic Acid often causes renal injury, including hypersensitivity to or a direct toxic effect of a djenkol bean metabolite, resulting in acute kidney injury and/or urinary tract obstruction by djenkolic acid crystals, sludge, and/or possible ureteral spasms[1].

REFERENCES

[1]. Nur C Bunawan, et al. Djenkolism: case report and literature review. Int Med Case Rep J. 2014 Apr 16;7:79-84.

Caution: Product has not been fully validated for medical applications. For research use only.

Tel: 609-228-6898 Fax: 609-228-5909 E-mail: tech@MedChemExpress.com
Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA