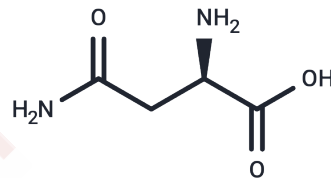


D-Asparagine

Chemical Properties

CAS No. :	2058-58-4
Formula:	C ₄ H ₈ N ₂ O ₃
Molecular Weight:	132.12
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	D-Asparagine (H-D-Asn-OH) serves as a nitrogen source for yeast strains and acts as a competitive inhibitor of L-Asparagine hydrolysis with a K_i of 0.24 mM.
Targets(IC50)	Endogenous Metabolite

Solubility Information

Solubility	DMSO: < 1 mg/mL (insoluble or slightly soluble), Sonication and heating to 60°C are recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
------------	---

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	7.5689 mL	37.8444 mL	75.6888 mL
5 mM	1.5138 mL	7.5689 mL	15.1378 mL
10 mM	0.7569 mL	3.7844 mL	7.5689 mL
50 mM	0.1514 mL	0.7569 mL	1.5138 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

P C Dunlop, et al. Utilization of D-asparagine by *Saccharomyces Cerevisiae*. *J Bacteriol.* 1976 Mar;125(3):999-1004.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481