Data Sheet (Cat.No.T66809)

TargetMol

Guanidine thiocyanate

Chemical Properties

CAS No. : 593-84-0

Formula: C2H6N4S

Molecular Weight: 118.16

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	Guanidine thiocyanate is a potent protein denaturant commonly used to lyse cells and disrupt protein structures, thereby protecting nucleic acids from degradation. In vitro, guanidine thiocyanate is widely used for RNA and DNA extraction and purification, as well as for protein denaturation analysis. Guanidine thiocyanate is highly water-soluble and chemically stable, and can be used in a variety of buffer systems.
Targets(IC50)	Others,Endogenous Metabolite

Solubility Information

Solubility	H2O: 80 mg/mL (677.05 mM),Sonication is recommended. DMSO: 80 mg/mL (677.05 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	8.4631 mL	42.3155 mL	84.631 mL
5 mM	1.6926 mL	8.4631 mL	16.9262 mL
10 mM	0.8463 mL	4.2316 mL	8.4631 mL
50 mM	0.1693 mL	0.8463 mL	1.6926 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.

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