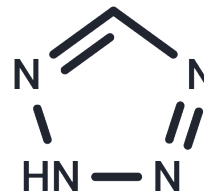


## Tetrazole

## Chemical Properties

CAS No. :	27988-97-2
Formula:	CH <sub>2</sub> N <sub>4</sub>
Molecular Weight:	70.05
Storage:	Powder: -20°C for 3 years   In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>



## Biological Description

Description	Tetrazole (1H-TETRAZOLE) is the bioisoster of carboxylic acid, possess considerable antibacterial property.
Targets(IC50)	Antibacterial

## Solubility Information

Solubility	DMSO: 37.5 mg/mL (535.33 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	14.2755 mL	71.3776 mL	142.7552 mL
5 mM	2.8551 mL	14.2755 mL	28.551 mL
10 mM	1.4276 mL	7.1378 mL	14.2755 mL
50 mM	0.2855 mL	1.4276 mL	2.8551 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

Feng Gao, Jiaqi Xiao, Gang Huang, et al. Current scenario of tetrazole hybrids for antibacterial activity[J]. European Journal of Medicinal Chemistry, 184.

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