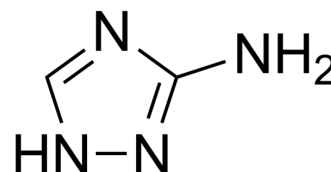


1H-1,2,4-Triazol-3-amine

Cat. No.:	HY-W027592
CAS No.:	61-82-5
Molecular Formula:	C ₂ H ₄ N ₄
Molecular Weight:	84.08
Target:	Biochemical Assay Reagents
Pathway:	Others
Storage:	4°C, protect from light * In solvent : -80°C, 6 months; -20°C, 1 month (protect from light)



SOLVENT & SOLUBILITY

In Vitro

DMSO : 100 mg/mL (1189.34 mM; Need ultrasonic)

Concentration	Mass		
	1 mg	5 mg	10 mg
1 mM	11.8934 mL	59.4672 mL	118.9343 mL
5 mM	2.3787 mL	11.8934 mL	23.7869 mL
10 mM	1.1893 mL	5.9467 mL	11.8934 mL

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

BIOLOGICAL ACTIVITY

Description

1H-1,2,4-Triazol-3-amine consists of a triazole ring system and an amino group attached to carbon atom 3. The compound has potential applications in various fields such as medicinal chemistry, agrochemicals and material science. In medicinal chemistry, 1H-1,2,4-Triazol-3-amine is used as a starting material for the synthesis of pharmaceutical compounds such as antifungal agents, anticancer agents, and enzyme inhibitors associated with cardiovascular disease. In agrochemicals, it can be used as a raw material for the synthesis of herbicides, fungicides and insecticides. Furthermore, 1H-1,2,4-Triazol-3-amine is used as a ligand in coordination chemistry and as a precursor for the production of new functional materials such as polymers and metal-organic frameworks.

In Vitro

1H-1,2,4-Triazol-3-amine is a biochemical reagent that can be used as a biological material or organic compound for life science related research.

MCE has not independently confirmed the accuracy of these methods. They are for reference only.

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