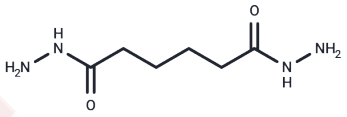
Data Sheet (Cat.No.T205970)

TargetMol

Adipic dihydrazide

Chemical Properties



CAS No. : 1071-93-8

Formula: C6H14N4O2

Molecular Weight: 174.20

Storage: Store at low temperature
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	Adipic dihydrazide (ADH) is a dihydrazide with a symmetrical C4 skeleton, commonly used as a bifunctional cross-linking agent for water-in-oil emulsions and a curing agent for epoxy resins. ADH exhibits antibacterial activity against E. coli and P. aeruginosa.
Targets(IC50)	Antibacterial

Solubility Information

Solubility	H2O: 200 mg/mL (1148.11 mM) (< 1 mg/ml refers to the product slightly soluble or insoluble)

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	5.7405 mL	28.7026 mL	57.4053 mL
5 mM	1.1481 mL	5.7405 mL	11.4811 mL
10 mM	0.5741 mL	2.8703 mL	5.7405 mL
50 mM	0.1148 mL	0.5741 mL	1.1481 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

Kim EH,et,al. Progressing future osteoarthritis treatment toward precision medicine: integrating regenerative medicine, gene therapy and circadian biology. Exp Mol Med. 2025 Jun;57(6):1133-1142.

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