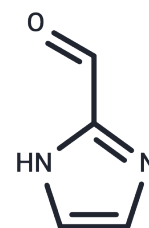


1H-Imidazole-2-carbaldehyde

Chemical Properties

CAS No. :	10111-08-7
Formula:	C ₄ H ₄ N ₂ O
Molecular Weight:	96.09
Storage:	Keep away from moisture 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	1H-Imidazole-2-carbaldehyde is an imidazole containing an aldehyde group, widely used in biochemical experiments and drug synthesis research.
Targets(IC50)	Others

Solubility Information

Solubility	DMSO: 20 mg/mL (208.14 mM),Sonication is recommended. H ₂ O: 1 mg/mL (10.41 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+40% PEG300+5% Tween-80+45% Saline: 2 mg/mL (20.81 mM),Sonication is recommended. <i>Please add the solvents sequentially, clarifying the solution as much as possible before adding the next one. Dissolve by heating and/or sonication if necessary. Working solution is recommended to be prepared and used immediately. The formulation provided above is for reference purposes only. In vivo formulations may vary and should be modified based on specific experimental conditions.</i>

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	10.4069 mL	52.0346 mL	104.0691 mL
5 mM	2.0814 mL	10.4069 mL	20.8138 mL
10 mM	1.0407 mL	5.2035 mL	10.4069 mL
50 mM	0.2081 mL	1.0407 mL	2.0814 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.

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