Data Sheet (Cat.No.T40569)

TargetMol

Hygric acid

Chemical Properties

CAS No. : 475-11-6

Formula: C6H11NO2

Molecular Weight: 129.157

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	Hygric acid (N-Methyl-L-proline) is a proline analogue found in citrus juices and bergamot juice.
Targets(IC50)	Others,Endogenous Metabolite

Solubility Information

Solubility	DMSO: 5.63 mg/mL (43.59 mM),Sonication is recommended. H2O: 100.00 mg/mL (774.25 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: 1.00 mg/mL (7.74 mM),Sonication is recommended. *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.*

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	7.7423 mL	38.7117 mL	77.4234 mL
5 mM	1.5485 mL	7.7423 mL	15.4847 mL
10 mM	0.7742 mL	3.8712 mL	7.7423 mL
50 mM	0.1548 mL	0.7742 mL	1.5485 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

Luigi Servillo, et al. Betaines in fruits of Citrus genus plants. J Agric Food Chem. 2011 Sep 14;59(17):9410-6.

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