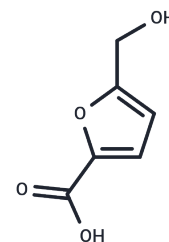


5-Hydroxymethyl-2-furancarboxylic acid

Chemical Properties

CAS No. :	6338-41-6
Formula:	C ₆ H ₆ O ₄
Molecular Weight:	142.11
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	5-Hydroxymethyl-2-furancarboxylic acid (5-(Hydroxymethyl)-2-furoic acid) (Sumiki's acid) is a naturally occurring human metabolite. Sumiki's acid was first identified in the urine of a leukemia patient who was excreting an abnormal amount of its glycine derivative. Sumiki's acid has been found to be a byproduct of the fungus <i>Aspergillus</i> and probably other species of fungi and yeast as well.
Targets(IC50)	Endogenous Metabolite

Solubility Information

Solubility	DMSO: 5.5 mg/mL (38.7 mM), Sonication is recommended. Ethanol: 100 mg/mL (703.68 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
------------	---

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	7.0368 mL	35.184 mL	70.368 mL
5 mM	1.4074 mL	7.0368 mL	14.0736 mL
10 mM	0.7037 mL	3.5184 mL	7.0368 mL
50 mM	0.1407 mL	0.7037 mL	1.4074 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

Lawson AM, et al. Urinary organic acids in man. I. Normal patterns. Clin Chem. 1976 Aug;22(8):1283-7.

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