Data Sheet (Cat.No.T4927)

TargetMol

4-Guanidinobutanoic acid

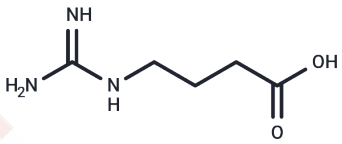
Chemical Properties

CAS No. : 463-00-3

Formula: C5H11N3O2

Molecular Weight: 145.16

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	4-Guanidinobutanoic acid (4-GBA) is an L-arginine metabolite that has been used in the intestinal transport tranport studies. It has been specifically use to human proton coupled amino acid transporters hPAT1.
Targets(IC50)	Amino Acids and Derivatives,Endogenous Metabolite

Solubility Information

Solubility	H2O: 10 mM,Sonication is recommended. DMSO: Insoluble, (< 1 mg/ml refers to the product slightly soluble or insoluble)

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	6.889 mL	34.4448 mL	68.8895 mL
5 mM	1.3778 mL	6.889 mL	13.7779 mL
10 mM	0.6889 mL	3.4445 mL	6.889 mL
50 mM	0.1378 mL	0.6889 mL	1.3778 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

Sinha R , Ahn J , Sampson J N , et al. Fecal Microbiota, Fecal Metabolome, and Colorectal Cancer Interrelations[J]. PLOS ONE, 2016, 11(3):e0152126.

Goedert J J , Sampson J N , Moore S C , et al. Fecal metabolomics: assay performance and association with colorectal cancer[J]. Carcinogenesis, 2014, 35(9):2089-2096.

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