

Dimethyl L-glutamate

Chemical Properties

CAS No. : 6525-53-7

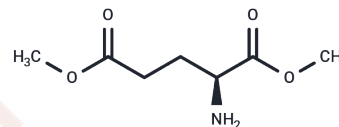
Formula: C7H13NO4

Molecular Weight: 175.18

Keep away from moisture

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	Dimethyl L-glutamate (Dimethyl glutamate), a membrane-permeable derivative of glutamate, stimulates glucose-induced insulin release, suppresses K _{ATP} channel activities, inhibits E. gracilis growth, and causes abnormal cell division. This compound is utilized in diabetes research, focusing on glucose transport, phosphorylation, and metabolism.
Targets(IC50)	Antibacterial, Potassium Channel

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	5.7084 mL	28.5421 mL	57.0841 mL
5 mM	1.1417 mL	5.7084 mL	11.4168 mL
10 mM	0.5708 mL	2.8542 mL	5.7084 mL
50 mM	0.1142 mL	0.5708 mL	1.1417 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

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