

N-Methyl-DL-glutamic acid

Chemical Properties

CAS No. :	35989-16-3
Formula:	C6H11NO4
Molecular Weight:	161.156
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	2-(Methylamino)pentanedioic acid (N-Methyl-DL-glutamic acid) is an endogenous metabolite that inhibits Glutaminase, adds freshness to edible products, and can be used in tuberculosis research.
Targets(IC50)	Endogenous Metabolite

Solubility Information

Solubility	H2O: 50.00 mg/mL (310.26 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	6.205 mL	31.0251 mL	62.0501 mL
5 mM	1.241 mL	6.205 mL	12.410 mL
10 mM	0.6205 mL	3.1025 mL	6.205 mL
50 mM	0.1241 mL	0.6205 mL	1.241 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

Chan PH, Fishman RA, Lee JL, Candelise L. Effects of excitatory neurotransmitter amino acids on swelling of rat brain cortical slices. J Neurochem. 1979 Dec;33(6):1309-15.

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