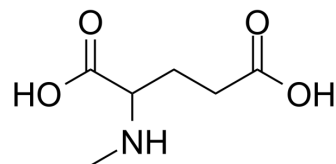


N-Methyl-DL-glutamic acid

Cat. No.:	HY-W015424
CAS No.:	35989-16-3
Molecular Formula:	C ₆ H ₁₁ NO ₄
Molecular Weight:	161.16
Target:	Endogenous Metabolite
Pathway:	Metabolic Enzyme/Protease
Storage:	4°C, sealed storage, away from moisture and light * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture and light)



SOLVENT & SOLUBILITY

In Vitro

H₂O : 62.5 mg/mL (387.81 mM; Need ultrasonic)

Concentration	Solvent	Mass		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	6.2050 mL	31.0251 mL	62.0501 mL
	5 mM	1.2410 mL	6.2050 mL	12.4100 mL
	10 mM	0.6205 mL	3.1025 mL	6.2050 mL

Please refer to the solubility information to select the appropriate solvent.

BIOLOGICAL ACTIVITY

Description

N-Methyl-DL-glutamic acid is a L-Glutamic acid (HY-14608) analog with cytotoxic effects^{[1][2]}.

IC₅₀ & Target

Human Endogenous Metabolite

REFERENCES

- [1]. Olney JW, et al. Cytotoxic effects of acidic and sulphur containing amino acids on the infant mouse central nervous system. *Exp Brain Res*. 1971;14(1):61-76.
- [2]. Chan PH, et al. Effects of excitatory neurotransmitter amino acids on swelling of rat brain cortical slices. *J Neurochem*. 1979 Dec;33(6):1309-15.

Caution: Product has not been fully validated for medical applications. For research use only.

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