
Product Data Sheet

Product Name: N-Methyl-DL-glutamic acid

Cat. No.: GC66668

Chemical Properties

Cas. No. 35989-16-3

Formula $C_6H_{11}NO_4$

M.Wt 161.16

Solubility H_2O : 62.5 mg/mL (387.81 mM; Need ultrasonic) Storage Store at $-20^{\circ}C$

General tips For obtaining a higher solubility , please warm the tube at $37^{\circ}C$ and shake it in the ultrasonic bath for a while. Stock solution can be stored below $-20^{\circ}C$ for several months.

Shipping Condition Evaluation sample solution : ship with blue ice All other available size: ship with RT , or blue ice upon request.

Structure **Background**

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

[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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