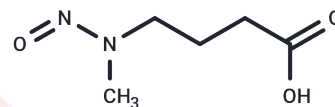


## N-Nitroso-N-methyl-4-Aminobutyric Acid

## Chemical Properties

CAS No. :	61445-55-4
Formula:	C <sub>5</sub> H <sub>10</sub> N <sub>2</sub> O <sub>3</sub>
Molecular Weight:	146.15
Storage:	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	N-Nitroso-N-methyl-4-Aminobutyric Acid is a nitrosamine compound widely used in biochemical experiments and drug synthesis research.
Targets(IC50)	Others

## Solubility Information

Solubility	DMF:PBS (pH 7.2) (1:7): < 1 mg/mL (insoluble),Sonication is recommended. DMSO: 16 mg/mL (109.48 mM),Sonication is recommended. DMF: 20 mg/mL (136.85 mM),Sonication is recommended. Ethanol: 16 mg/mL (109.48 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	6.8423 mL	34.2114 mL	68.4229 mL
5 mM	1.3685 mL	6.8423 mL	13.6846 mL
10 mM	0.6842 mL	3.4211 mL	6.8423 mL
50 mM	0.1368 mL	0.6842 mL	1.3685 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

Djordjevic, M.V., et al. Identification and analysis of a nicotine-derived N-nitrosamino acid and other nitrosamino acids in tobacco. *Carcinogenesis* 10(9):1725-1731 (1989)

Janzowski, C., et al. Mitochondrial formation of  $\beta$ -oxopropyl metabolites from bladder carcinogenic  $\omega$ -carboxyalkyl nitrosamines. *Chem. Biol. Interact.* 90(1):23-33 (1994)

Lijinsky, W., et al. Carcinogenesis in F344 rats by N-nitrosomethyl-n-propylamine derivatives. *J. Natl. Cancer Inst.* 70(5):959-963 (1983)

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