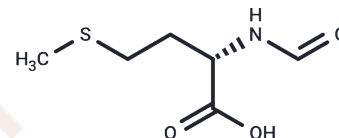


## For-Met-OH

## Chemical Properties

CAS No. :	4289-98-9
Formula:	C <sub>6</sub> H <sub>11</sub> NO <sub>3</sub> S
Molecular Weight:	177.22
Storage:	Store at low temperature 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	For-Met-OH (N-Formyl-L-methionine) is effective in the initiation of protein synthesis. The initiating methionine residue enters the ribosome as N-formyl methionyl tRNA. This process occurs in Escherichia coli and other bacteria as well as in the mitochondria of eukaryotic cells.
Targets(IC50)	Endogenous Metabolite,Antibacterial

## Solubility Information

Solubility	DMSO: 250 mg/mL (1410.68 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+40% PEG300+5% Tween 80+45% Saline: 2 mg/mL (11.29 mM),Sonication is recommended. <i>Please add the solvents sequentially, clarifying the solution as much as possible before adding the next one. Dissolve by heating and/or sonication if necessary. Working solution is recommended to be prepared and used immediately. The formulation provided above is for reference purposes only. In vivo formulations may vary and should be modified based on specific experimental conditions.</i>

### Preparing Stock Solutions

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	<b>1mg</b>	<b>5mg</b>	<b>10mg</b>
1 mM	5.6427 mL	28.2135 mL	56.427 mL
5 mM	1.1285 mL	5.6427 mL	11.2854 mL
10 mM	0.5643 mL	2.8214 mL	5.6427 mL
50 mM	0.1129 mL	0.5643 mL	1.1285 mL

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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

Sherriff RM, et al. Isolation and purification of N-formylmethionine aminopeptidase from rat intestine. *Biochim Biophys Acta*. 1992 Mar 12;1119(3):275-80.

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