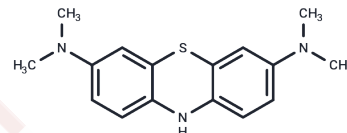


## Hydromethylthionine

## Chemical Properties

CAS No. :	613-11-6
Formula:	C16H19N3S
Molecular Weight:	285.41
Storage:	Powder: -20°C for 3 years   In solvent: -80°C for 1 year Actual storage temperature shall be subject to the COA.



## Biological Description

Description	Hydromethylthionine (Leukomethylene blue) is a highly active photochemical reagent, particularly in its interaction with dissolved oxygen. Its photochemical activity is primarily regulated by the reaction of its triplet state with dissolved oxygen. Upon exposure to ultraviolet light, the triplet state of Hydromethylthionine reacts with dissolved oxygen, producing Methylene Blue and hydrated hydrogen ions. It is utilized in semiconductor photocatalysis for the photodegradation of model pollutants and in the study of indicators in chemical analysis.
Targets(IC50)	Others

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.5037 mL	17.5187 mL	35.0373 mL
5 mM	0.7007 mL	3.5037 mL	7.0075 mL
10 mM	0.3504 mL	1.7519 mL	3.5037 mL
50 mM	0.0701 mL	0.3504 mL	0.7007 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.

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