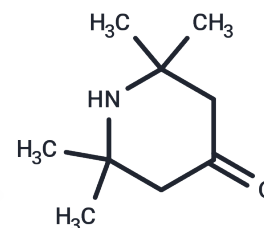


TriacetonaMine

Chemical Properties

CAS No. :	826-36-8
Formula:	C ₉ H ₁₇ NO
Molecular Weight:	155.24
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	TriacetonaMine (Vincubine) protects the activities of superoxide dismutase(SOD) and creatine phospho-phate kinase (CPK); it also inhibits CaCl ₂ induced agglomeration of thromocyte. TriacetonaMine can improve the constructive function of heart muscles of acute anemia and decrease the content of malodialdehyde (MDA) in the heart muscles.
Targets(IC50)	Others
In vivo	TriacetonaMine(TAA)could improve the constructive function of heart muscles of acute anemia and decrease the content of malodialdehyde (MDA) in the heart muscles. TAA protects the activities of superoxide dismutase(SOD) and creatine phospho-phate kinase (CPK). It also inhibits CaCl ₂ induced agglomeration of thromocyte.

Solubility Information

Solubility	DMSO: 55 mg/mL (354.29 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 (12.88 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

	1mg	5mg	10mg
1 mM	6.4416 mL	32.2082 mL	64.4164 mL
5 mM	1.2883 mL	6.4416 mL	12.8833 mL
10 mM	0.6442 mL	3.2208 mL	6.4416 mL
50 mM	0.1288 mL	0.6442 mL	1.2883 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

Protective Effects of Triacetoneamine on Acute Ischemia Isolated Rat Heart Muscles[J]. Supplement to the Journal of Sun Yatsen University, 1994.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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