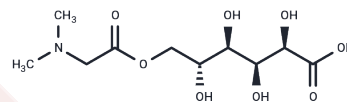


Vitamin B15

Chemical Properties

CAS No. :	20858-86-0
Formula:	C10H19NO8
Molecular Weight:	281.26
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	Vitamin B15 is a natural product and can be used as an agent stimulating cellular respiration, and is an immune-correcting agent.
Targets(IC50)	Others
In vivo	Vitamin B15 enriches in the rat diet reduced glutathione peroxidase (after one year) and also glutathione transferase (after 18 months) in the brains of the animals, thus impairing their antioxidative capacities[1]. In certain rat tissues, Vitamin B15 treatment increases the cytochrome oxidase- and also succinate dehydrogenase-activity [1].

Solubility Information

Solubility	H2O: 250 mg/mL (888.86 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	3.5554 mL	17.7771 mL	35.5543 mL
5 mM	0.7111 mL	3.5554 mL	7.1109 mL
10 mM	0.3555 mL	1.7777 mL	3.5554 mL
50 mM	0.0711 mL	0.3555 mL	0.7111 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

Schneider D, et al. Studies on the chemical identity and biological functions of pangamic acid.

Arzneimittelforschung. 1999 Apr;49(4):335-43.

Zemskov AM, et al. Typical immune system responses to differential monotherapy with immune-correcting drugs.

Fiziol Cheloveka. 2001 Jul-Aug;27(4):97-103.

Ziemiański S, et al. Effect of long-term diet enrichment with selenium, vitamin E and vitamin B15 on the degree of fatty infiltration of the liver. Acta Physiol Pol. 1984 Jul-Aug;35(4):382-97.

Vitamin B15

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