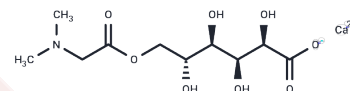


Vitamin B15 hemicalcium

Chemical Properties

CAS No. :	20310-61-6
Formula:	C ₁₀ H ₁₈ NO ₈ .1/2Ca
Molecular Weight:	300.33
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 (Pangamic Acid) hemicalcium, a substance naturally ubiquitous in plant seeds, serves as a stimulant for cellular respiration and contains D-gluconodimethyl amino acetic acid. This compound also acts as an immune-correcting agent [1] [2] and is applicable in treating a wide range of diseases.
Targets(IC50)	Others,Endogenous Metabolite
In vivo	Vitamin B15 hemicalcium (Wistar rats; 2.5 mg/100 g of diet) increased the degree of hepatic lipid infiltration, which remained stable throughout the experiment [1] [3]. The compound also decreased levels of glutathione peroxidase and glutathione transferase in the rat brain, thereby weakening their antioxidative capacity [1]. Furthermore, it increased the activity of cytochrome oxidase and succinate dehydrogenase in rat tissues [1].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.3297 mL	16.6484 mL	33.2967 mL
5 mM	0.6659 mL	3.3297 mL	6.6593 mL
10 mM	0.333 mL	1.6648 mL	3.3297 mL
50 mM	0.0666 mL	0.333 mL	0.6659 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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