



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

### SZABO-SCANDIC HandelsgmbH

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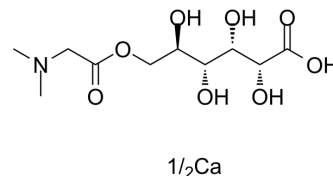
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## Vitamin B15 hemicalcium

<b>Cat. No.:</b>	HY-N7384A
<b>CAS No.:</b>	20310-61-6
<b>Molecular Formula:</b>	C <sub>10</sub> H <sub>19</sub> NO <sub>8</sub> ·1/2Ca
<b>Molecular Weight:</b>	301.3
<b>Target:</b>	Others
<b>Pathway:</b>	Others
<b>Storage:</b>	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

<b>Description</b>	Vitamin B15 (Pangamic Acid) hemicalcium is a natural, ubiquitously in plant seeds substance and can used be as an agent stimulating cellular respiration. Vitamin B15 hemicalcium contains D-gluconodimethyl amino acetic acid. Vitamin B15 hemicalcium is also a immune-correcting agent <sup>[1][2]</sup> . Vitamin B15 hemicalcium can be used for wide range of diseases.
<b>In Vivo</b>	<p>Vitamin B15 (Wistar rats; 2.5 mg/100 g of diet) hemicalcium increases the degree of fatty infiltration of the liver which is maintained at a stable level throughout the whole experiment<sup>[1][3]</sup>.</p> <p>Vitamin B15 hemicalcium 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<sup>[1]</sup>.</p> <p>Vitamin B15 hemicalcium increase the cytochrome oxidase- and also succinate dehydrogenase-activity in certain rat tissues [1].</p> <p>MCE has not independently confirmed the accuracy of these methods. They are for reference only.</p>

### REFERENCES

- [1]. Schneider D, et al. Studies on the chemical identity and biological functions of pangamic acid. *Arzneimittelforschung*. 1999 Apr;49(4):335-43.
- [2]. Zemskov AM, et al. Typical immune system responses to differential monotherapy with immune-correcting drugs. *Fiziol Cheloveka*. 2001 Jul-Aug;27(4):97-103.
- [3]. 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.
- [4]. Vitamin B15

**Caution: Product has not been fully validated for medical applications. For research use only.**

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