# Pyridoxal-5-Phosphate

Activated Vitamin B6

#### DESCRIPTION

Vitamin B<sub>6</sub> is offered in its activated form, pyridoxal-5-phosphate.

#### INDICATIONS

- Support for energy metabolism<sup>‡</sup>
- Support for neurological health<sup>‡</sup>

### **FUNCTIONS AND MECHANISM OF ACTION**

Pyridoxal-5-phosphate is the active metabolite of pyridoxine and is the predominant form of plasma  $B_6$ . Pyridoxal-5-phosphate is beneficial to a number of physiological functions, providing a wide range of nutritional support. Pyridoxal-5-phosphate is an important coenzyme in the metabolism of carbohydrates, fats and proteins and the elongation of essential fatty acids. It is required for proper absorption of vitamin  $B_{12}$ . Pyridoxal-5-phosphate is also required for the production of antibodies and for healthy red blood cell function. Vitamin  $B_6$  supports neurological health by playing an important role in nerve impulse transmissions and neurotransmitter synthesis.  $^{\ddagger}$ 

# FORMULA (#202750)

Other Ingredients: Microcrystalline cellulose, hydroxypropyl methylcellulose (capsule), ascorbyl palmitate

Gluten-free, Non-GMO

#### SUGGESTED USE

As a dietary supplement, adults take 1 capsule, 1-2 times daily or as directed by your health professional.

### WARNING

If you are pregnant, nursing, have any health condition or taking any medication, consult your health professional before using this product.

Keep out of reach of children.

## **STORAGE**

Store in a cool, dry place, away from direct light. Use only if safety seal is intact.

#### REFERENCES

di Salvo ML, Contestabile R, Safo MK. Biochim Biophys Acta. 2011 Nov;1814(11):1597-608.

European Food Safety Authority. EFSA J. 2008;760:1-13.

Swendseid ME, Villalobos J, Friedrich B. Diet J Nutr. 1964;82(2):206-208.

Huber AM, Gershoff SN, Hegsted DM. J Nutr. 1964;82(3):371-378.

Beaton JR, Goodwin ME. Can J Biochem Physiol. 1954;32(6):684-688.

Spellacy WN, Buhi WC, Birk SA. Contraception. 1972;6(4):265-273.

Hsu JM, Chow BF. Arch Biochem Biophys. 1957;72(2):322-330.

Kleiner MJ, Tate SS, Sullivan JF, et al. Am J Clin Nutr. 1980;33(7):1612-1619.

Cohick PL, Bhattacharjee M. Eur J Clin Nutr. 2011;65:423–424.

Lyon JB, Porter J. *Biochim Biophys Acta*. 1962;58(2):248–254.

Cochary EF, Gershoff SN, Sadowski JA. *J Nutr Biochem.* 1991;2(3):135–141. Ryan-Harshman M, Aldoori W. *Can Fam Physician.* 2007 Jul; 53(7): 1161–1162. Lerner V. Miodownik C. Kaptsan A. et al. *Am J Psych.* 2001;158:1511–1514 Rose DP. *J Clin Pathol.* 1972 Jan; 25(1): 17–25. Almeida MR, Mabasa L, Crane C, et al. *Mol Nutr Food Res.* 2016 Jul;60(7):1615-24.

## For more information on Pyridoxal-5-Phosphate, visit douglaslabs.com

<sup>‡</sup>These statements have not been evaluated by the Food and Drug Administration. This product is not intended to diagnose, treat, cure, or prevent any disease.

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