

**Niacinate**  
**“No-Flush” High Potency Niacin**

**DESCRIPTION**

Niacinate tablets, provided by Douglas Laboratories®, contain 600 mg of inositol hexaniacinate which provides 540 mg of niacin. This ester of niacin and inositol eliminates the uncomfortable skin-flushing side effects often observed with high-dose crystalline niacin.

**FUNCTIONS**

Niacin (vitamin B3) occurs in the body as two metabolically active coenzymes, NAD (nicotinamide adenine dinucleotide) and NADP (NAD phosphate).

The niacin coenzymes NAD and NADP have pervasive roles in energy-related and biosynthetic metabolic processes. At least 200 enzymes depend on these niacin cofactors. The NAD-dependent enzymes are involved in mostly catabolic, oxidative reactions that release energy from carbohydrate, fat, and protein, whereas the NADP-dependent enzymes more commonly function in biosynthesis of such compounds as fatty acids and steroid hormones.

Independent of its functions as NAD or NADP, niacin is also involved in the regulation of normal blood lipoprotein and cholesterol levels, and the maintenance of normal vascular tone.

Dietary niacin is generally well absorbed and taken up by the liver. Any excess niacin is metabolized by the liver and excreted by the kidneys.

Because the liver has a limited capacity to metabolize niacin, high doses of regular, crystalline niacin are often not well tolerated, causing vasodilatory side effects known as skin-flushing and itching. For maximum benefit and fewer side effects, Niacinate releases its niacin over a longer time frame than crystalline niacin.

**INDICATIONS**

Niacinate tablets may be a useful nutritional adjunct for individuals who wish to increase their intake of niacin without the uncomfortable side effects of skin flushing.

**FORMULA (NCT)**

Each tablet contains:

Inositol Hexaniacinate .....600mg\*

\*provides 540 mg of niacin

**SUGGESTED USE**

One to three tablets daily with meals, or as directed by physician.

**SIDE EFFECTS**

No adverse side effects have been reported.

**STORAGE**

Store in a cool, dry place, away from direct light. Keep out of reach of children.

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## REFERENCES

- Aylward M. Hexopal in Raynaud's disease. *J Int Med Res* 1979;7:484-491.
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- Probstfield JL. Nicotinic acid as a lipoprotein-altering agent: therapy directed by the primary physician. *Arch Int Med* 1994;154:1557-1559.
- Sunderland GT et al. A double blind randomized placebo controlled trial of hexopal in primary Raynaud's disease. *Clin Rheumatol* 1988;7:46-49.

**For more information on Niacinate visit [douglaslabs.com](http://douglaslabs.com)**

† 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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Your patients trust you.**