



Application of Slow Release Sodium Selenite

Sodium selenite is one of the inorganic forms of selenium with a chemical symbol of Na_2SeO_3 . Sodium selenite induces intracellular oxidative stress which triggers apoptosis selectively in cancer cells. Sodium selenite also inhibits glutamine metabolism in cancer cells. This product is not intended for selenium supplementation, only for therapeutic applications.

NORI Nutraceuticals developed a slow release orally administered formulation of sodium selenite which significantly reduces the chance of nausea caused by oral ingestion of high dose sodium selenite. Slow release sodium selenite is supplied as either 2 mg (180 tablets) or 4 mg (360 tablets). Both tablets are small and easy to swallow.

Suggested dosage schedule is 4 times daily, 4 hours apart, with or without food at the total daily dosage as specified below. Typical application is 3 weeks at full dose followed by a 1 week washout interval. Gradually increase dosage from 50% to 100% over three days to test for tolerability.

Sodium selenite has a 18 hour half-life which allows for maintaining therapeutic plasma concentration. Sodium selenite is compatible with other pro-oxidants, ozone therapy and hydrogen peroxide.

Oral Dosage Calculation

Total Daily Dosage: 0.5 mg/kg BW.

Example: 60 kg Body Weight, 30 mg total daily dose

Round up to 32 mg total dose for 8 mg 4 times per day. Use either two 4 mg tablets or four 2 mg tablets 4 times a day.

Tablet Formulation

Active Ingredients: Anhydrous Sodium Selenite (Pharmaceutical Grade)

Inactive Ingredients: Microcrystalline Cellulose, Sodium Alginate, Calcium Gluconate, Silicon Dioxide, Dicalcium Phosphate, Magnesium Stearate.

Caution:

Never take sodium selenite with any form of vitamin C supplements or with IV vitamin C on the same day or within 48 hours prior or after taking sodium selenite.

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