

XanthoRich™

(*Garcinia mangostana*)

Mangosteen fruit is considered to be the richest source of xanthenes, a group of polyphenolic antioxidants with amazing health benefits. InovoBiologic has produced a high quality, super concentrated, standardized mangosteen extract taken primarily from the xanthone-rich pericarp (rind), providing the highest concentration of xanthenes available in a nutritional ingredient or supplement.

Health benefits of Mangosteen

- Provides highest amounts of antioxidant xanthenes.
- Anecdotal reports suggest it can increase energy levels.
- Animal studies show chemopreventive properties and tumor development suppression.
- Has been shown to have anti-inflammatory effects in vitro.
 - As an anti-inflammatory it may prevent oxidation of LDL cholesterol.
- May play a role in fighting acne.
- May benefit persons with halitosis.
- Has anti-microbial properties.
 - Traditionally used to prevent dysentery.

Unique InovoBiologic Mangosteen

- Just pure mangosteen extract. No added diluents.
- Better than drinking mangosteen juice.
 - Less expensive, but with all the benefits of drinking mangosteen juice.
 - Higher concentration of mangosteen xanthenes.
 - No added sugar or other juice powders. Many mangosteen juice products contain added sugar and other fruit juices.
- Extract is standardized via HPLC to 50 % xanthenes (40 % of these are alpha mangostin).
 - Alpha mangostin is the primary xanthone in mangosteen and the xanthone shown to exert the greatest in vitro effects.

- Standardized to greater than 90 mg polyphenols per capsule ensuring superior antioxidant capacity.

Superior Softgel

- Available as an easy-to-swallow, easy-to-carry softgel.
- Whole spectrum liquid extract contains the complete range of xanthenes, predominantly from the xanthone-rich pericarp (rind). The extract may contain other mangosteen constituents not yet characterized, such as proanthocyanidins, prodelfinidin, gallic acid, catechins and their oligomers.
- Soft gelatin capsule protects actives from degradation better than other formats.
- Hydrophobic matrix of oils in the softgel maximizes solubility and absorption of non-polar actives such as xanthenes.

Safety

As mangosteen is a fruit that has been eaten for centuries by South Asians, it is considered very safe.

- *Allergies*—Anyone with known allergies to mangosteen should avoid supplementation.
- *Pregnancy and lactation*—The effect of concentrated xanthenes has not been studied in pregnant and lactating women, so is not recommended unless under the direction of a health care provider.
- *Children*—Due to the lack of studies on highly concentrated mangosteen it may not be appropriate for children at this time.
- *Drug Interactions*—Very little data available.
 - The high amount of tannins could potentially affect uptake of some prescription drugs, therefore take medications at least two hours before or after using this product.
- *Blood-thinning medications*—Since it is not known if mangosteen xanthenes interact with blood-thinning medication such as warfarin, please check with your health care provider.