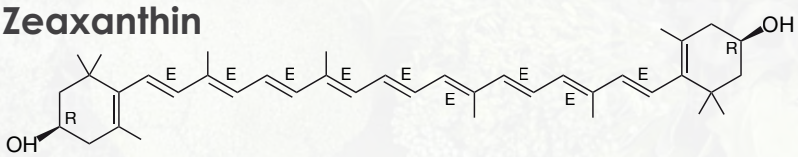
LUTEIN AND ZEAXANTHIN COMPOUNDS

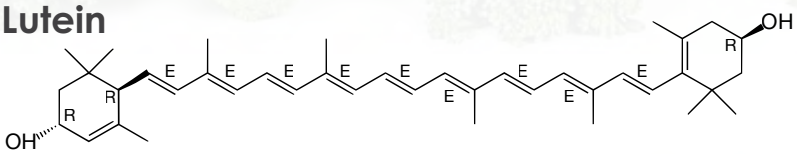
Typical vendors have a difficult time separating Lutein and Zeaxanthin.

We understand the importance of controlling the environment of carotenoids standards and take every precaution to make sure they are contained in a stabile state.

Zeaxanthin



Lutein

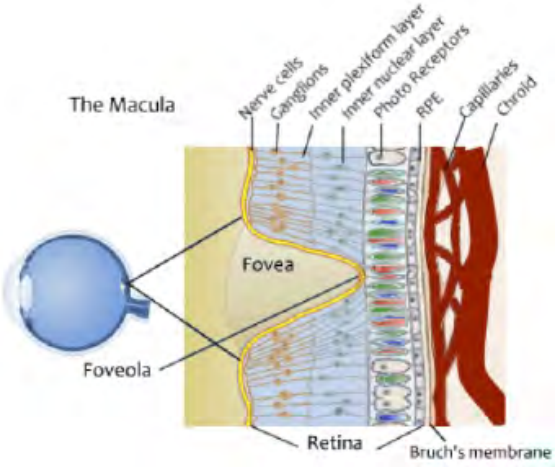


Biological Activity

- Promotes Eye Health[1]
- Neuroprotective[2]
- Hepatoprotective Effects[3]

Fast Facts

- Lutein and Zeaxanthin are structural isomers, they make up the Macular pigment of the human retina (in addition to meso-Zeaxanthin).
- In the eye there are different concentrations of these compounds, Lutein being contained in the outer area of the Macula and Zeaxanthin is more concentrated in the center, the Fovea. They are also present in the brain.
- The highest concentration of Lutein and Zeaxanthin in food is in Corn Tortillas and Corn Chips; Parsley, Kale and Spinach also have a high concentration of Lutein



Ordering Information

Check out ChromaDex's best-selling chemical reference standards in the Carotenoids chemical family.

Name	CAS	Part Number
Lutein (P)	127-40-2	00012453
Zeaxanthin (P)	144-68-3	00026504
Lutein 0.5mg/mL (P)	127-40-2	00012454

References

1. Buscemi, S., Corleo, D., Di Pace, F., Petroni, M. L., Satriano, A., & Marchesini, G. (2018). The Effect of Lutein on Eye and Extra-Eye Health. Nutrients, 10(9), 1321. https://doi.org/10.3390/nu10091321
2. Ozawa, Y., Sasaki, M., Takahashi, N., Kamoshita, M., Miyake, S., & Tsubota, K. (2012). Neuroprotective effects of lutein in the retina. Current pharmaceutical design, 18(1), 51–56. https://doi.org/10.2174/138161212798919101
3. Murillo, A. G., Hu, S., & Fernandez, M. L. (2019). Zeaxanthin: Metabolism, Properties, and Antioxidant Protection of Eyes, Heart, Liver, and Skin. Antioxidants (Basel, Switzerland), 8(9), 390. https://doi.org/10.3390/antiox8090390

ChromaDex STANDARDS

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