

TECHNOLOGY

Conversion of (3R,3'R,6'R)-lutein to 3'Epilutein, a Carotenoid Precursor for Industrial Production of Naturally Occurring (3R,3'R)-zeaxanthin

UNIVERSITY OF MARYLAND

OVERVIEW

Zeaxanthin is a yellow-colored lipid-soluble derivative of beta-carotene. This biochemical is a strong antioxidant and like lutein it is found in the retina. It is widely believed that zeaxanthin acts to filter and shield harmful blue light from the eye, and protects the eyes against age-related macular degeneration, the leading cause of blindness in people over 65.

A researcher at the University of Maryland, College Park has developed a process for conversion of lutein to 3'epilutein, a carotenoid precursor for the industrial production of naturally occurring zeaxanthin.

For licensing information please contact the University of Maryland, Office of Technology Commercialization 301 405-3947 or by e-mail at <u>otc@umd.edu</u>

CONTACT INFO

UM Ventures 0134 Lee Building 7809 Regents Drive College Park, MD 20742 Email: <u>umdtechtransfer@umd.edu</u> Phone: (301) 405-3947 | Fax: (301) 314-9502

Additional Information

INSTITUTION

University of Maryland, College Park

PATENT STATUS

Patent(s) pending

LICENSE STATUS

Available for exclusive license

CATEGORIES

Natural Compounds

EXTERNAL RESOURCES

• US Patent 6,818,798

LS-99-099