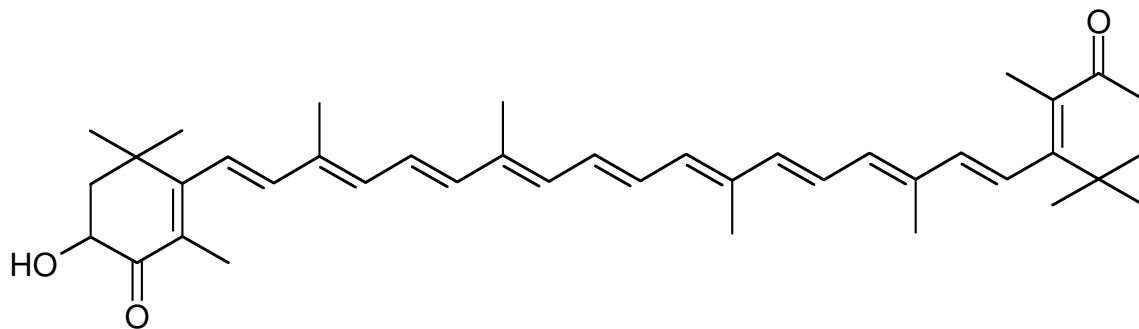


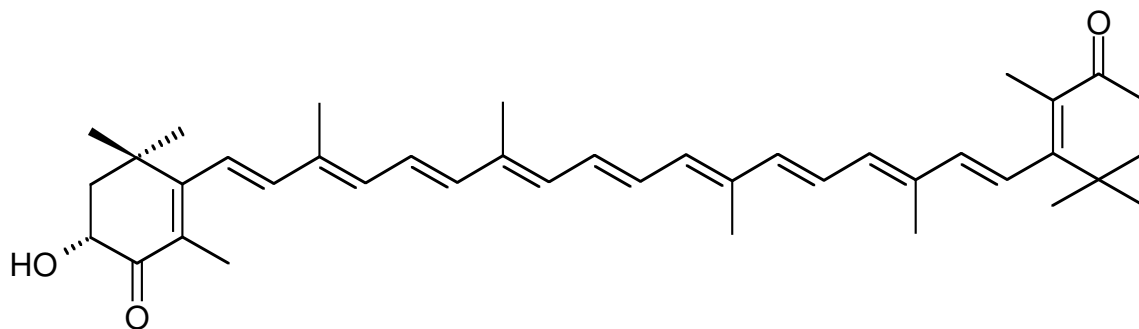


Commercially Available Carotenoid Standards

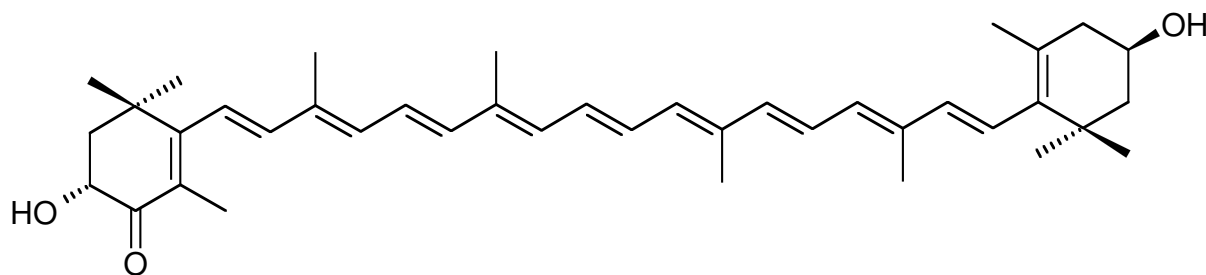
CaroteNature GmbH
Bern, Switzerland
Phone and Fax: +41 (0)31 351 18 74
e-mail: info@carotenature.com
Website: www.carotenature.com



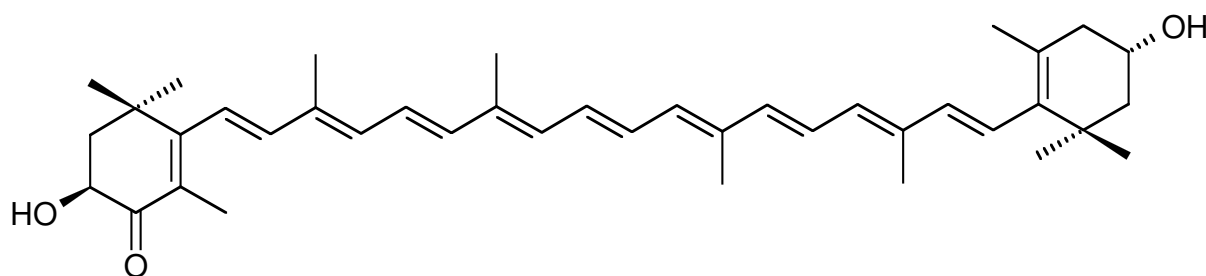
(*rac*)-Adonirubin



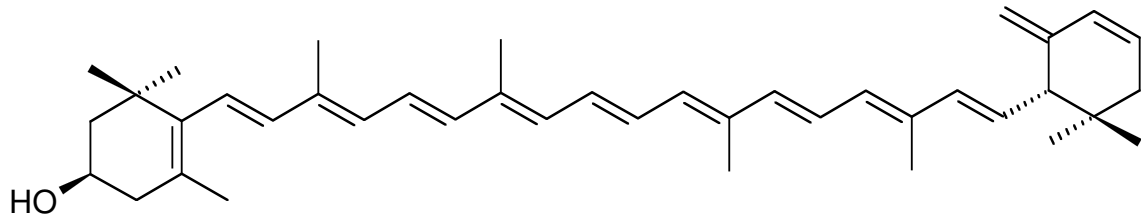
(3*R*)-Adonirubin



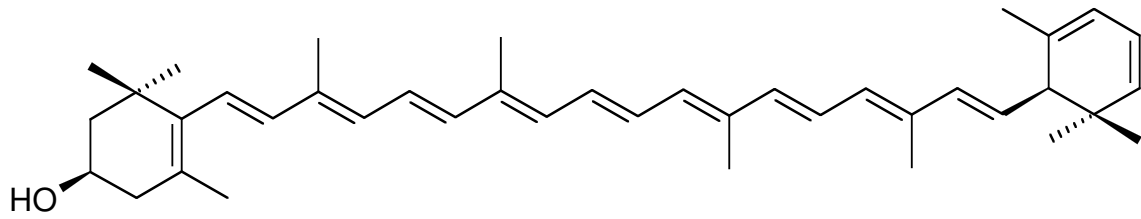
(3*R*,3'*R*)-Adonixanthin



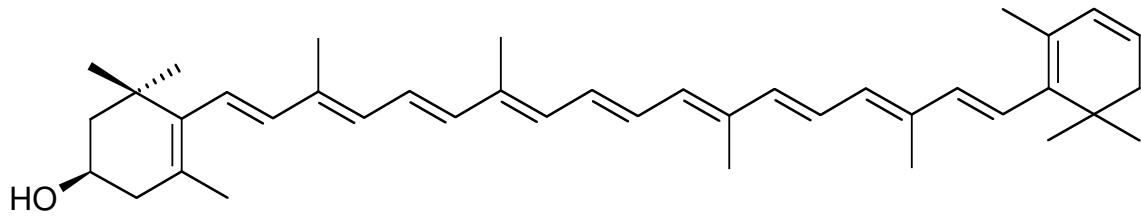
(3*S*,3'*S*)-Adonixanthin



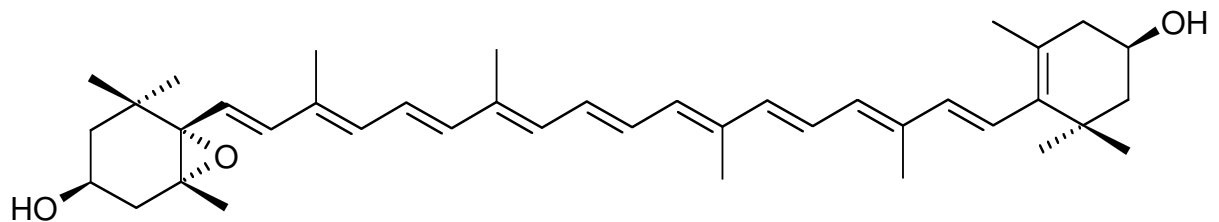
Anhydrolutein I



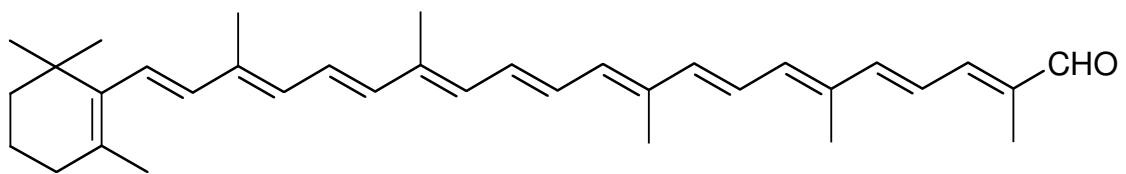
Anhydrolutein II



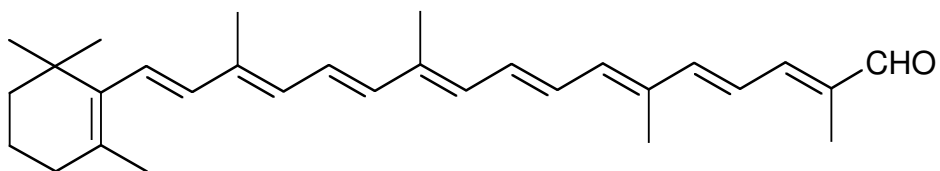
Anhydrolutein III



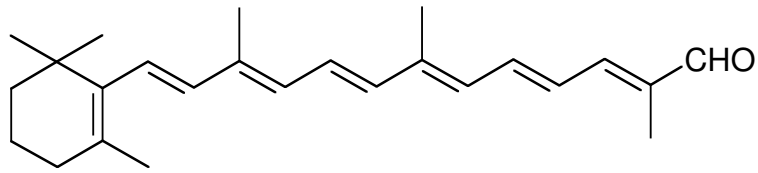
Antheraxanthin



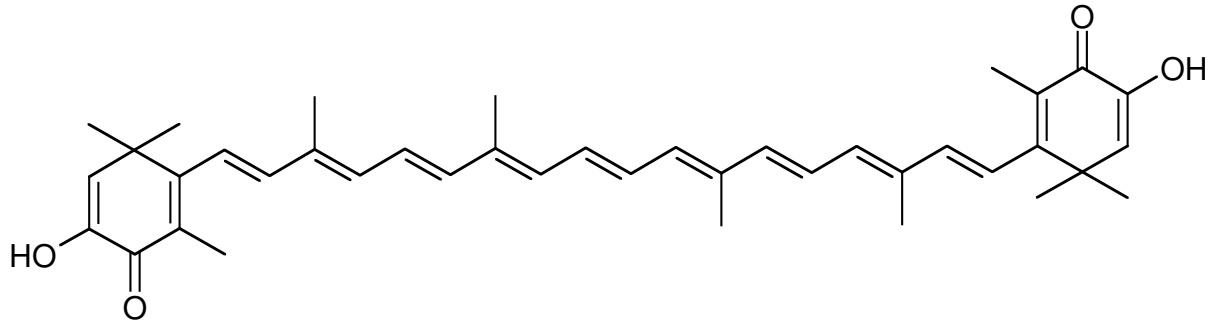
4'-Apo-β-carotenal



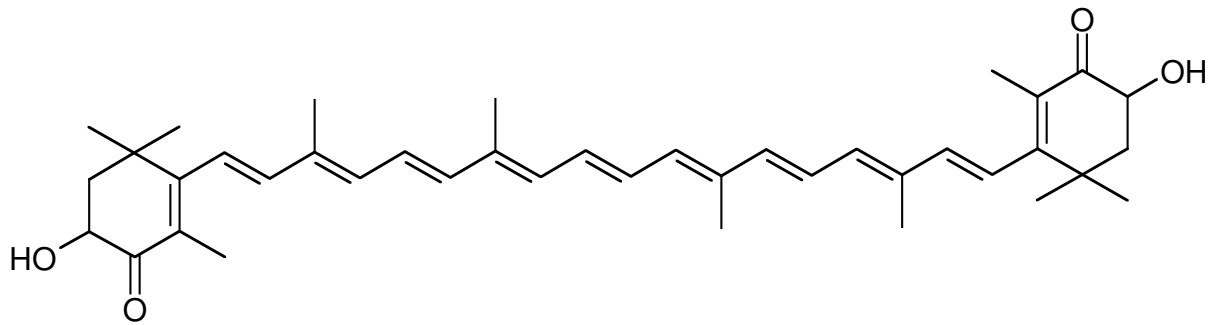
8'-Apo-β-carotenal



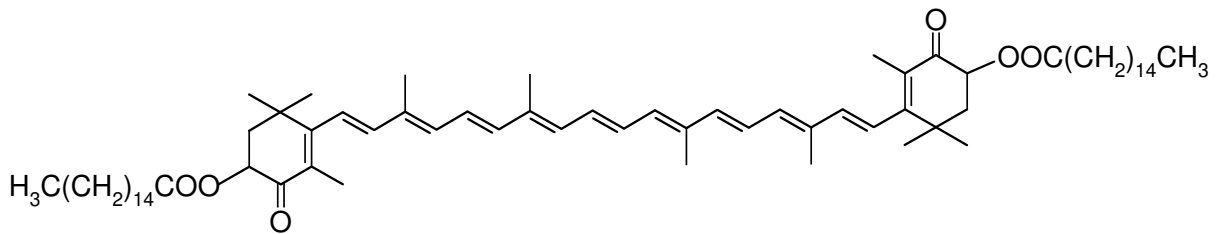
12'-Apo- β -carotenal



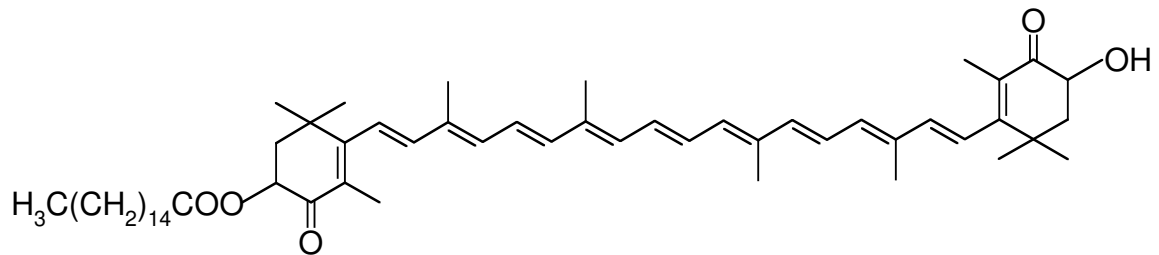
Astacene



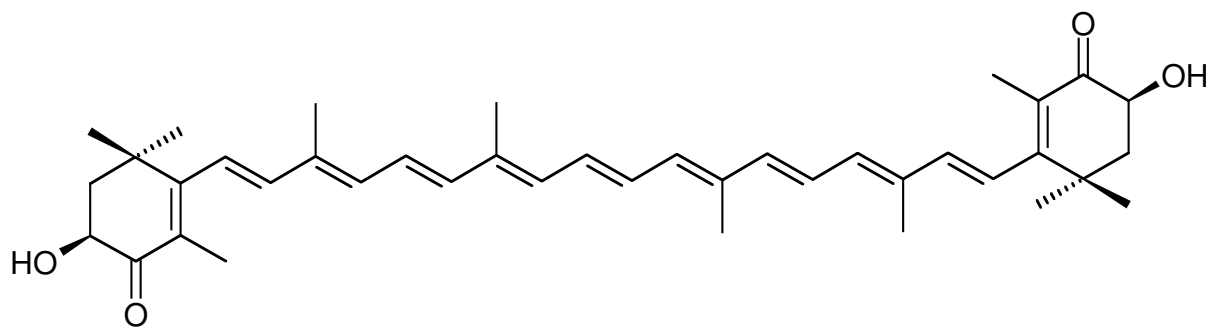
(*rac/meso*)-Astaxanthin



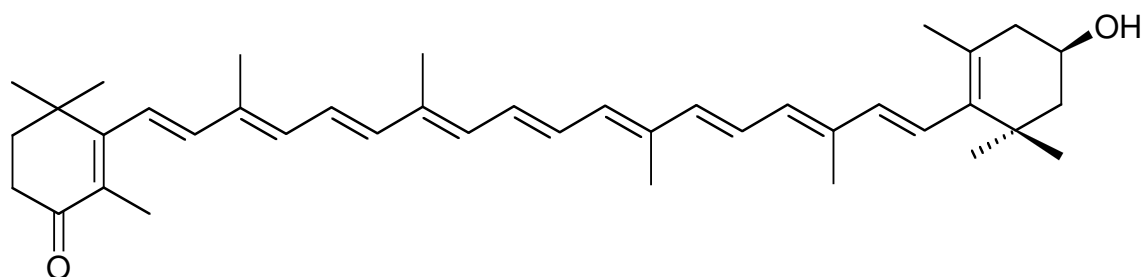
(*rac/meso*)-Astaxanthin dipalmitate



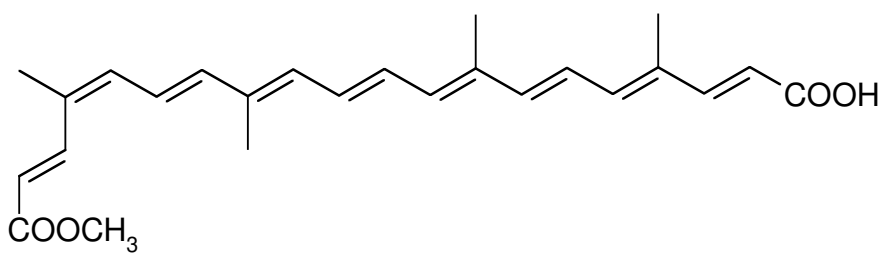
(*rac/meso*)-Astaxanthin monopalmitate



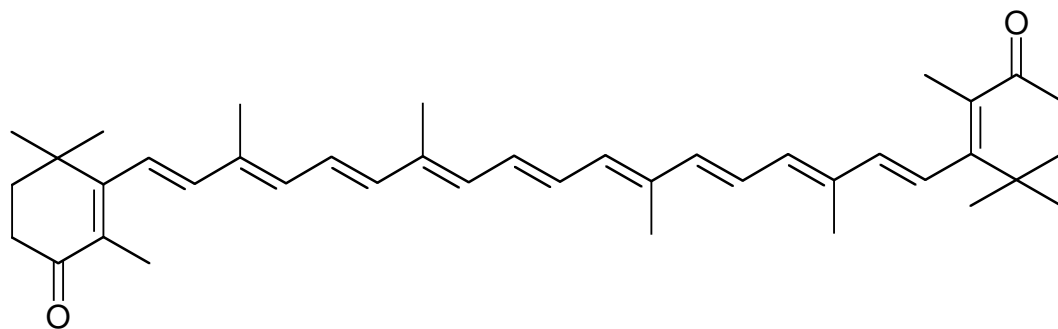
(3S,3'S)-Astaxanthin



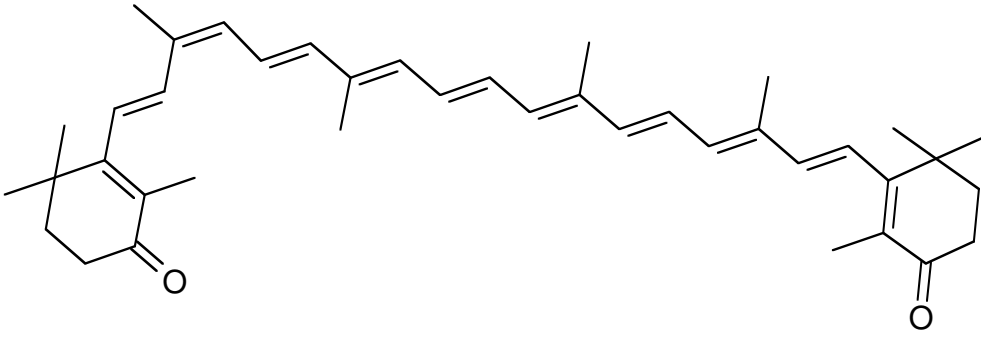
Asteroideinone



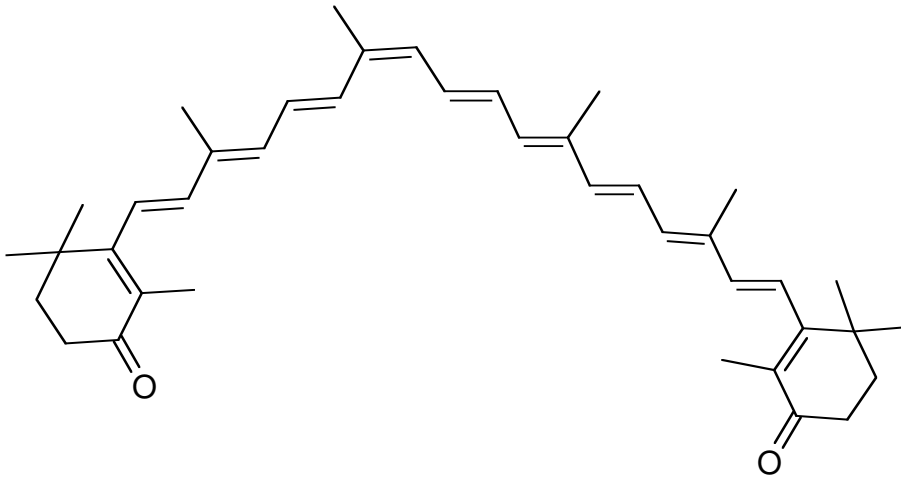
Bixin



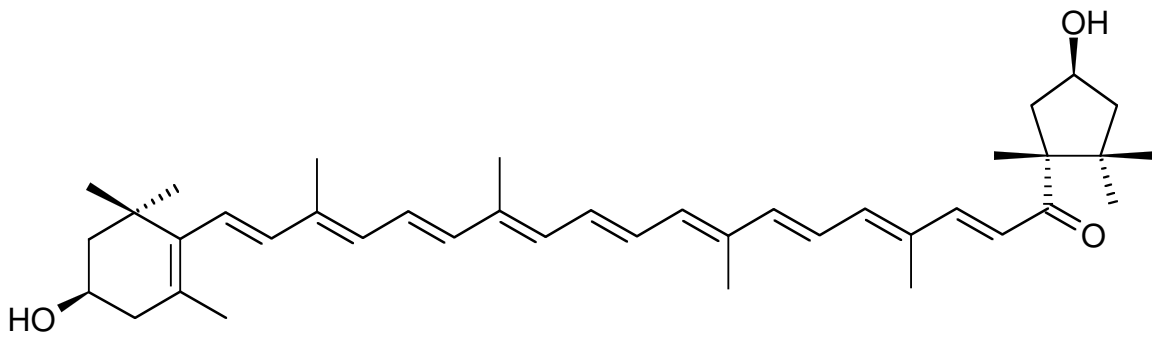
Canthaxanthin



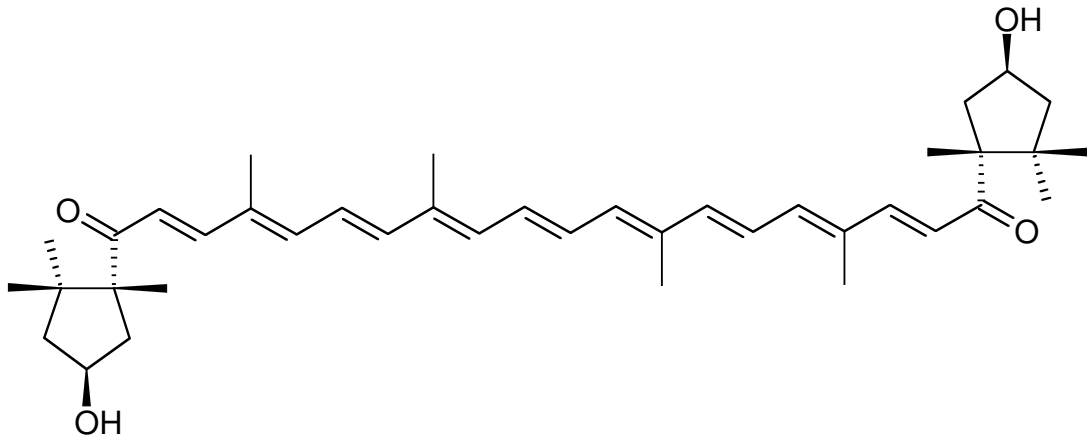
(9Z)-Canthaxanthin



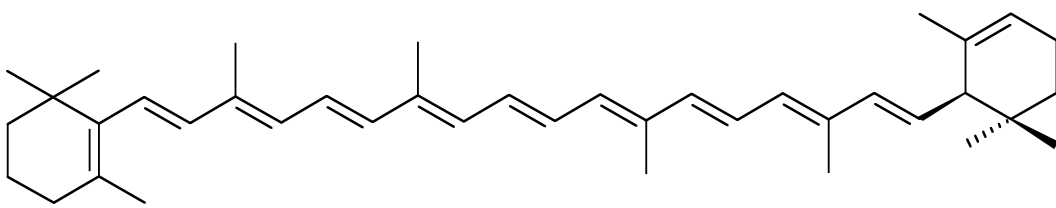
(13Z)-Canthaxanthin



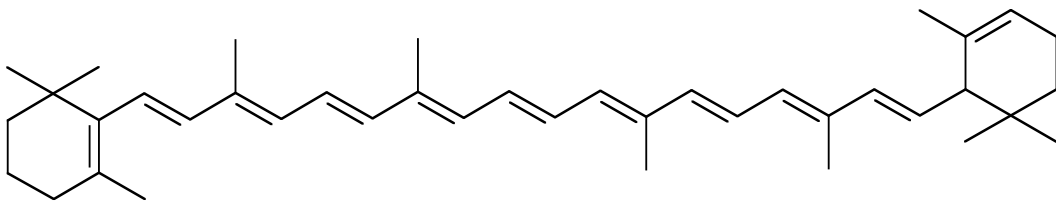
Capsanthin



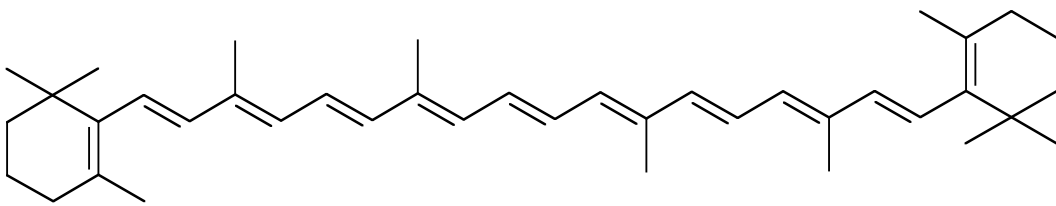
Capsorubin



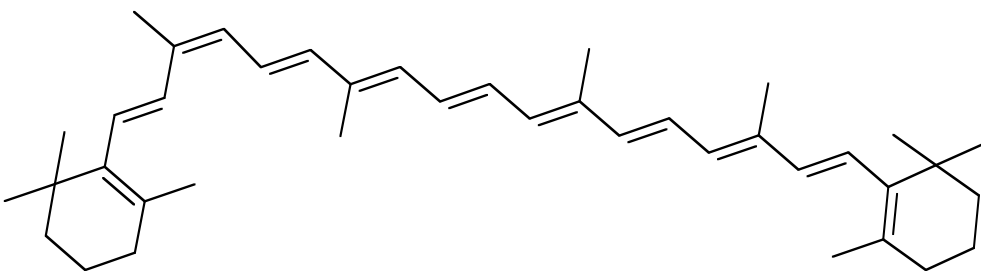
(6'*R*)- α -Carotene



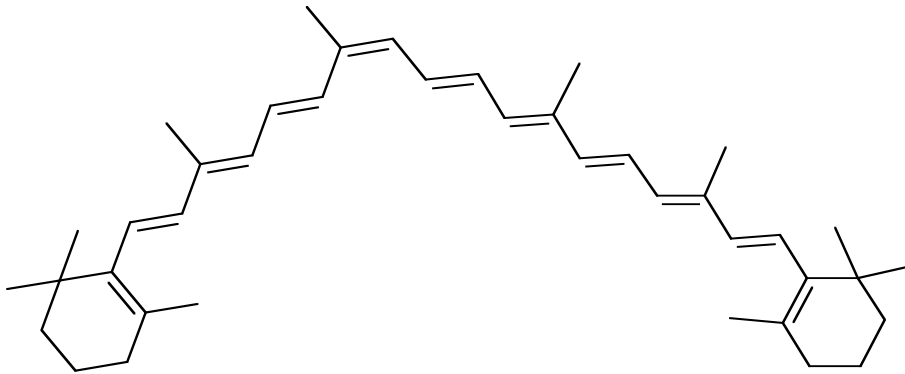
(rac.)- α -Carotene



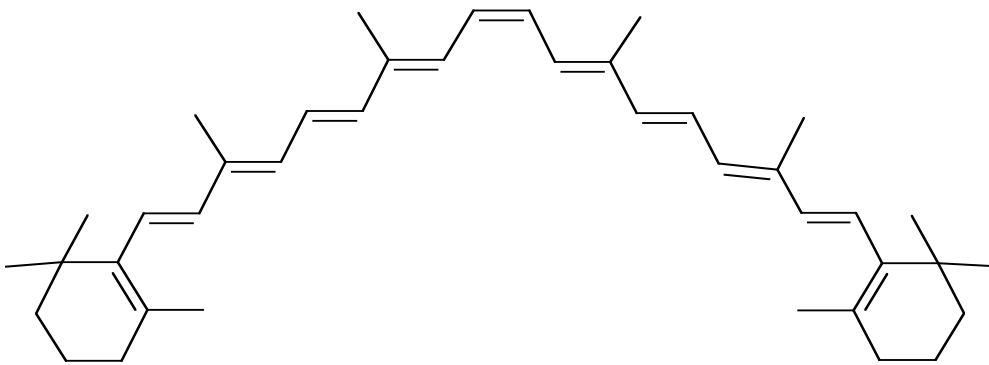
β -Carotene



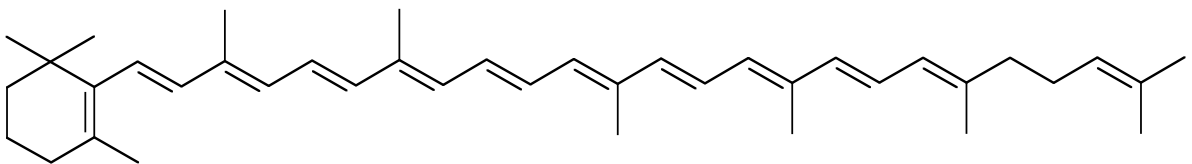
(9Z)- β -Carotene



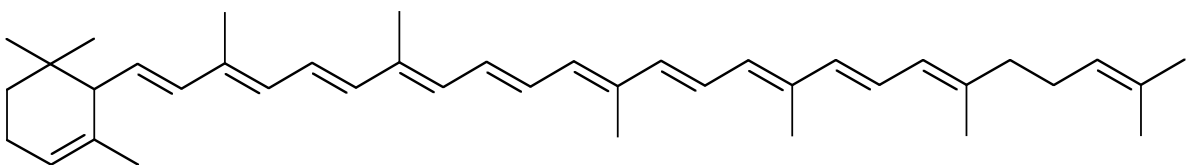
(13Z)- β -Carotene



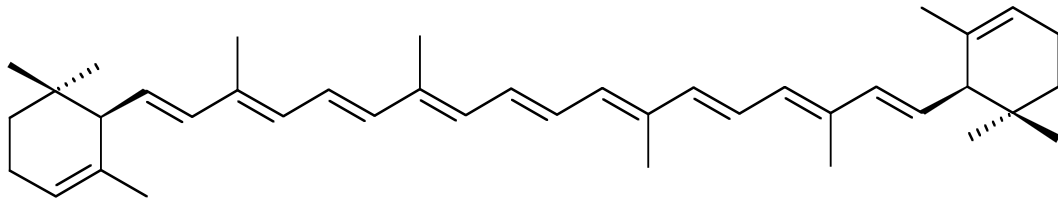
(15Z)- β -Carotene



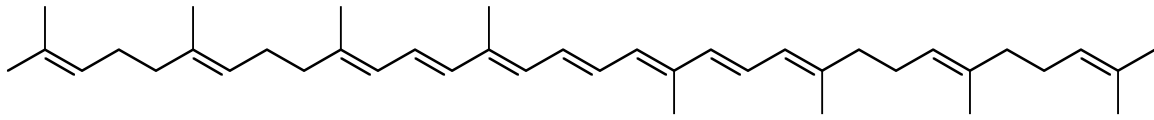
γ -Carotene



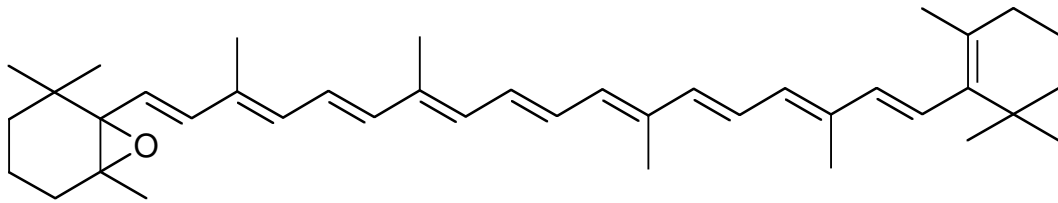
(*rac*)- δ -Carotene



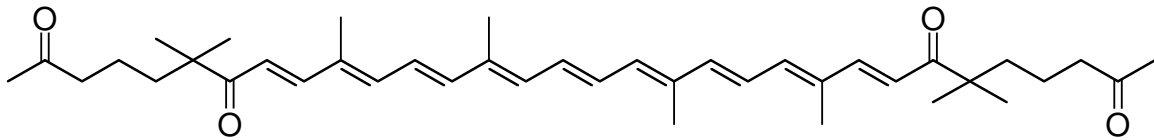
ε-Carotene



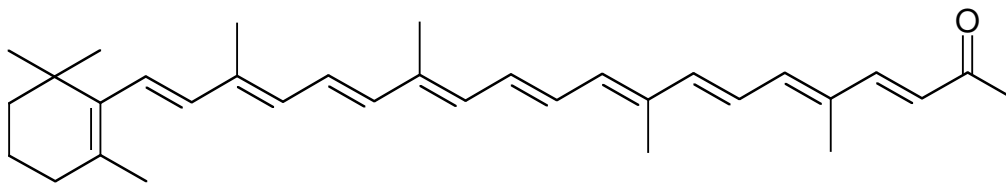
ζ-Carotene



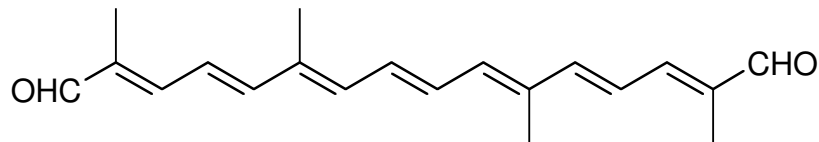
β-Carotene 5,6-epoxide



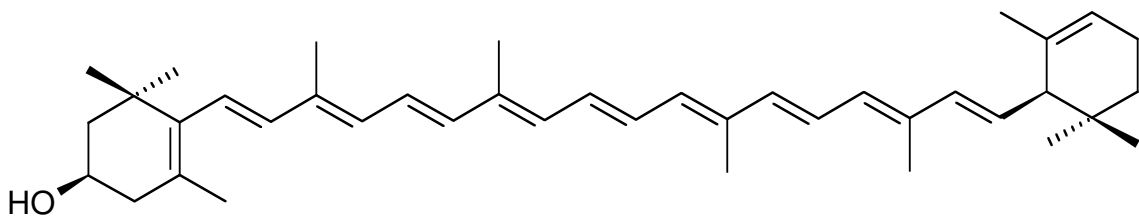
β-Carotenone



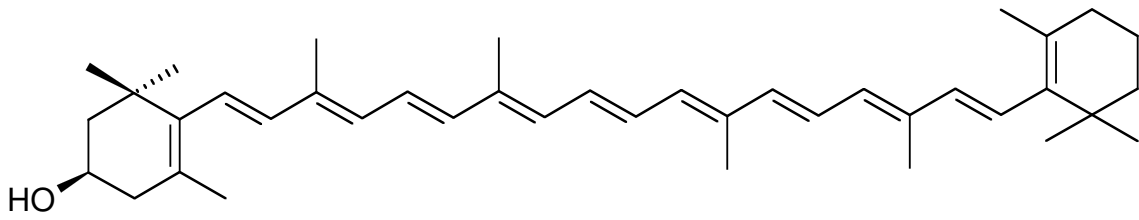
Citranaxanthin



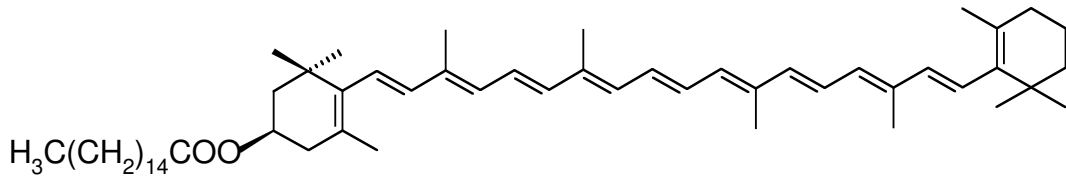
Crocetin dialdehyde



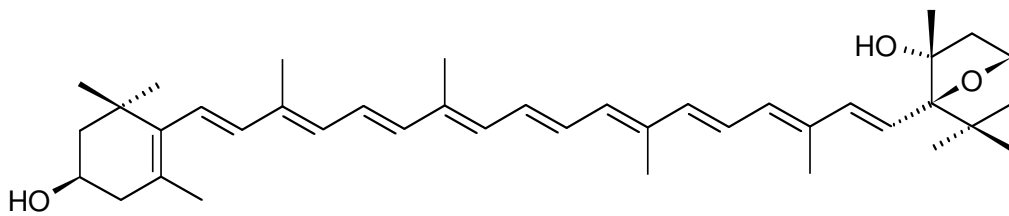
α -Cryptoxanthin, Zeinoxanthin



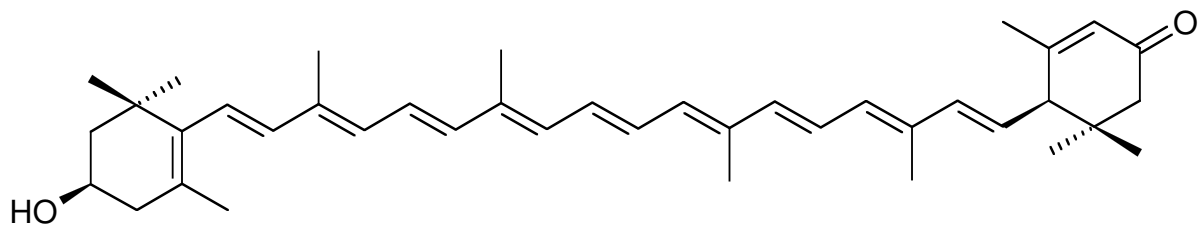
β -Cryptoxanthin



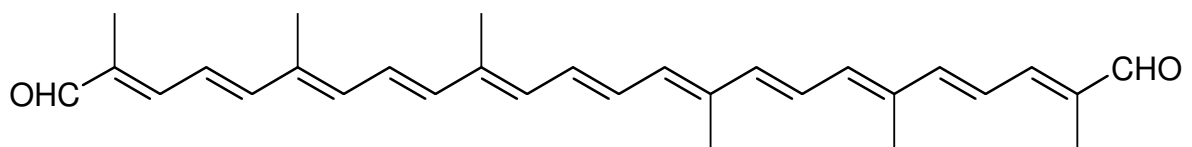
β -Cryptoxanthin palmitate



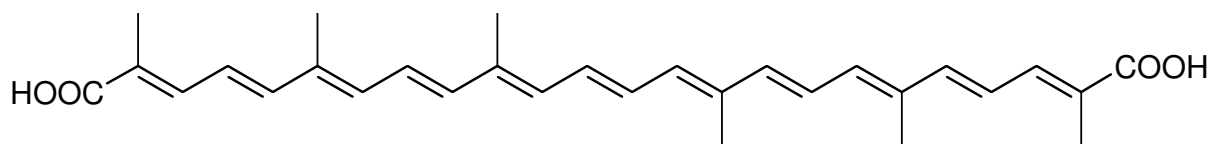
Cucurbitaxanthin A



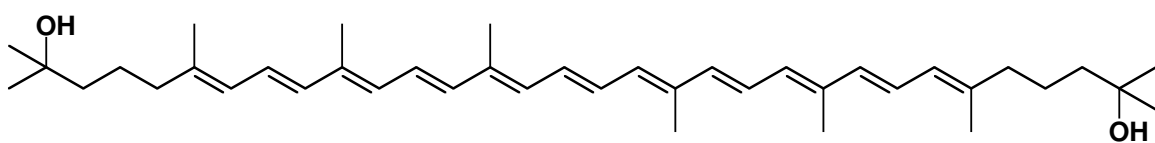
3'-Dehydrolutein



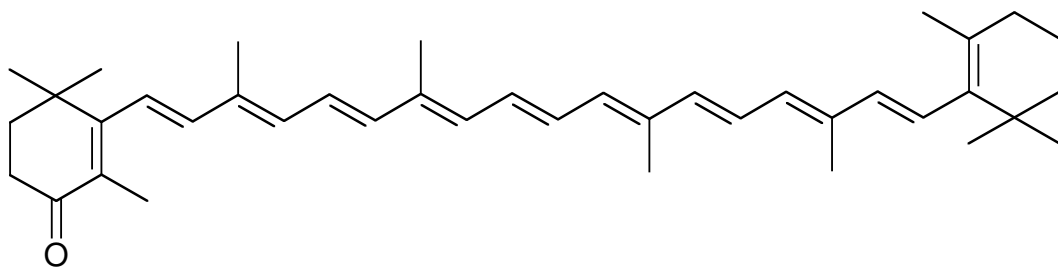
4,4'-Diapolycopendial



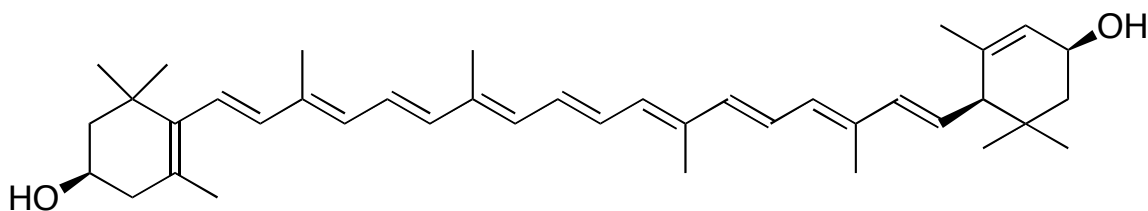
4,4'-Diapolycopenedioic acid



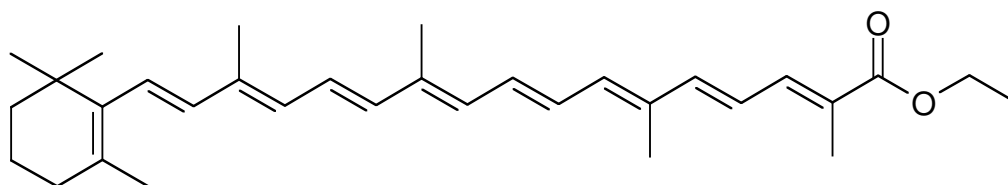
Dihydroxylycopene



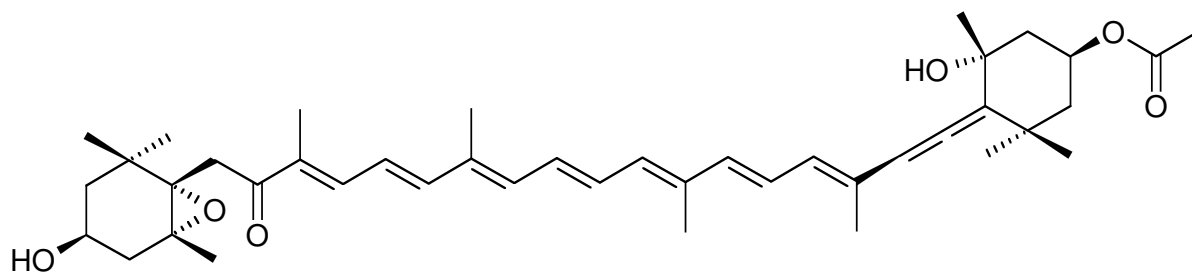
Echinenone



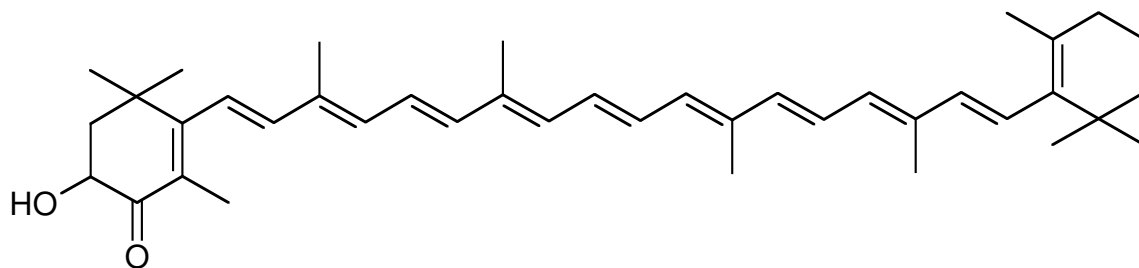
3'-Epilutein



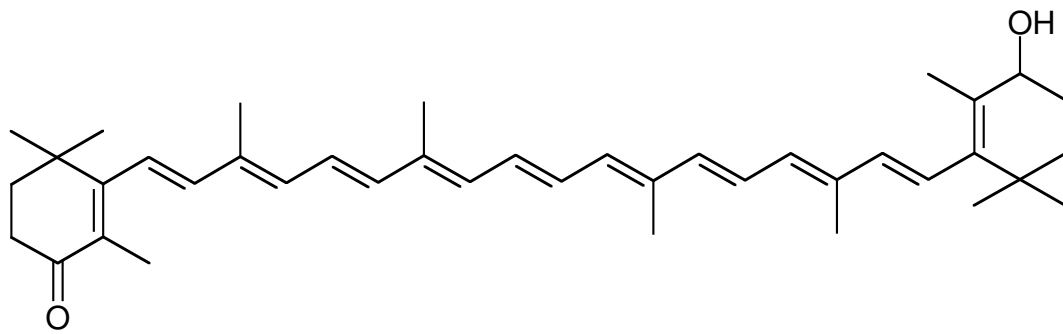
Ethyl 8'-apo-β-caroten-8'-oate



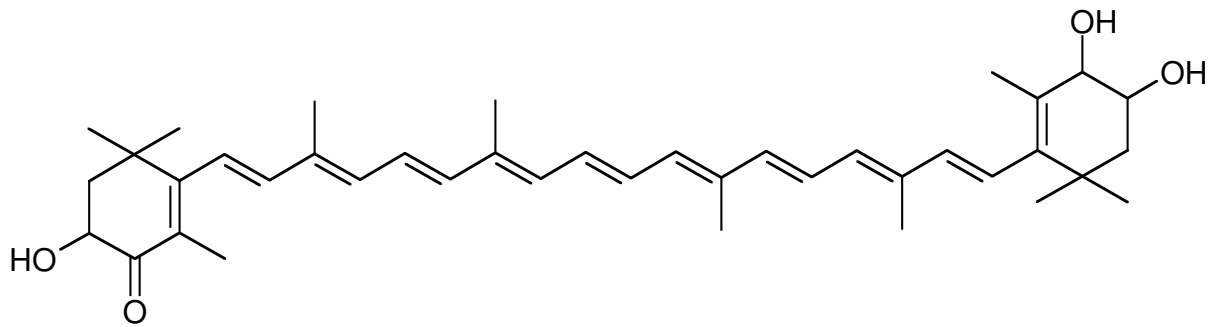
Fucoxanthin



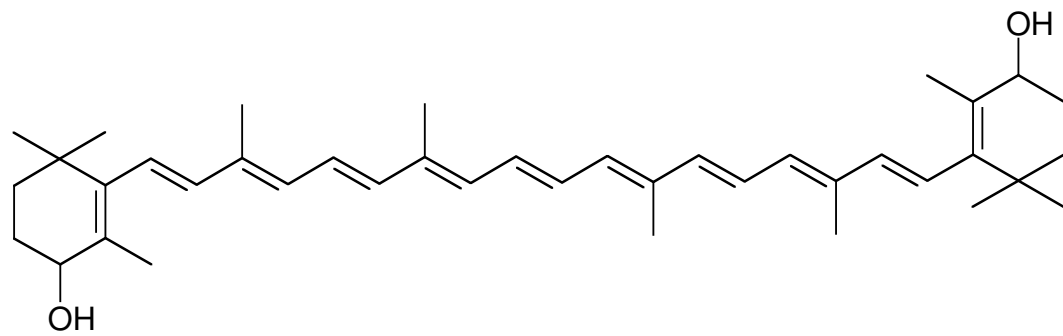
(rac)-3-Hydroxyechinenone



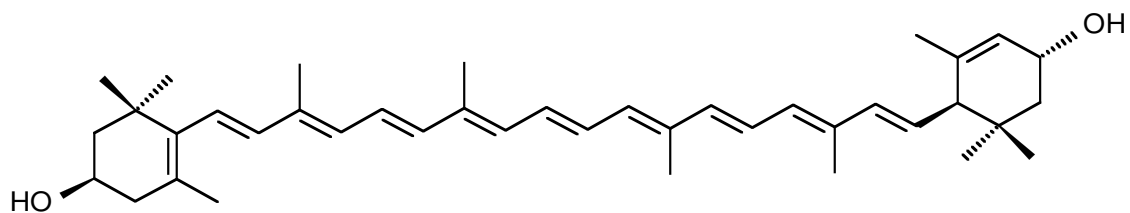
(*rac*)-4'-Hydroxyechinenone



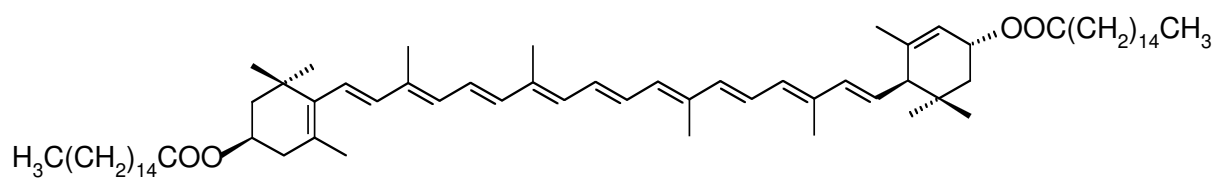
Idoxanthin



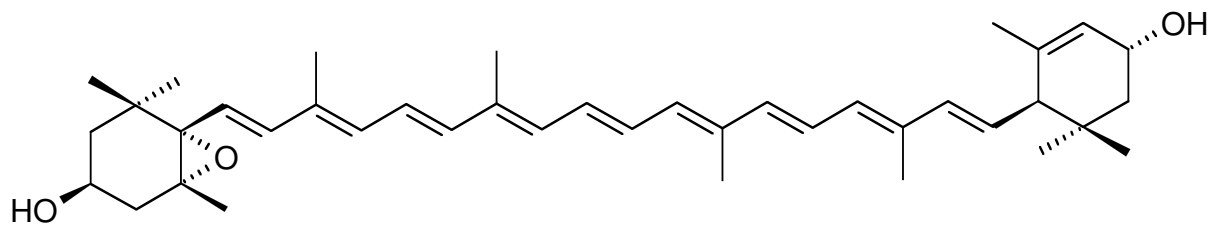
(*rac/meso*)-Isozeaxanthin



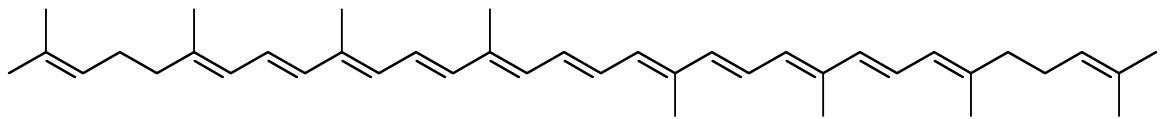
Lutein



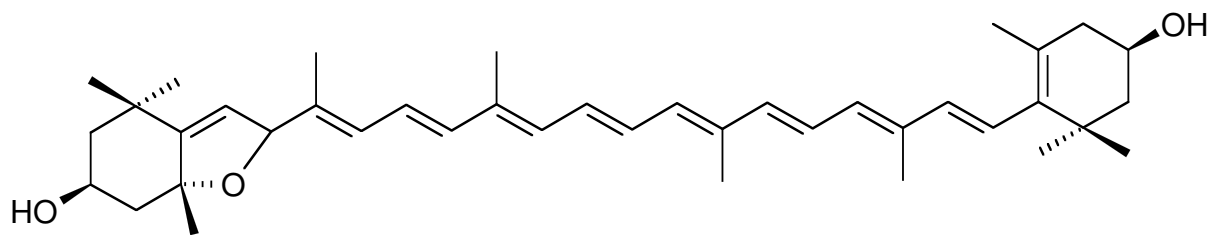
Lutein dipalmitate, Helenien



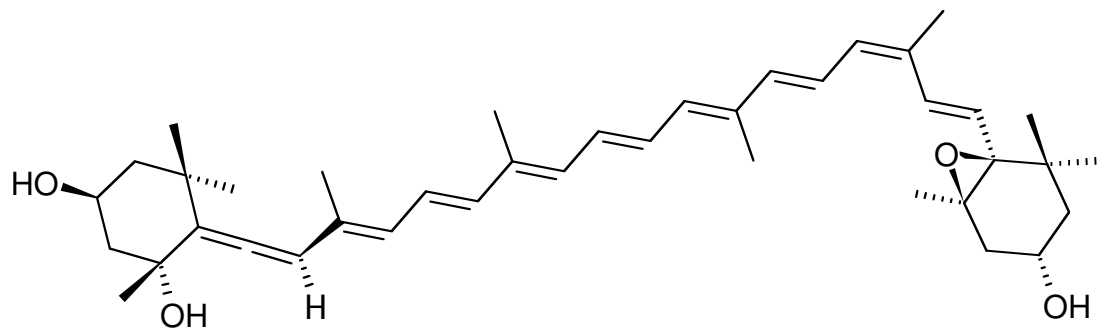
Lutein epoxide



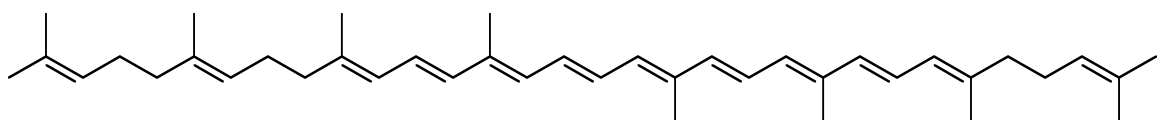
Lycopene



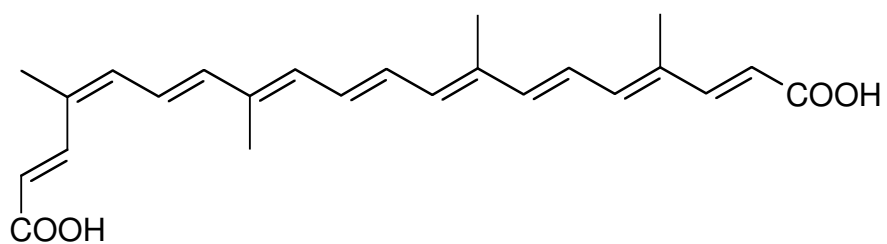
Mutatoxanthin



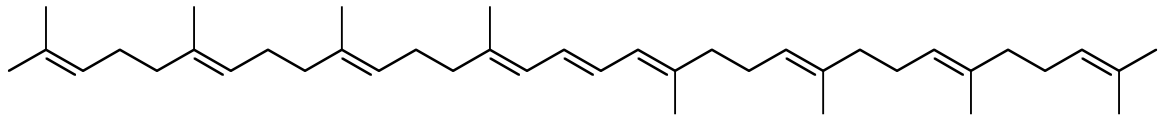
Neoxanthin



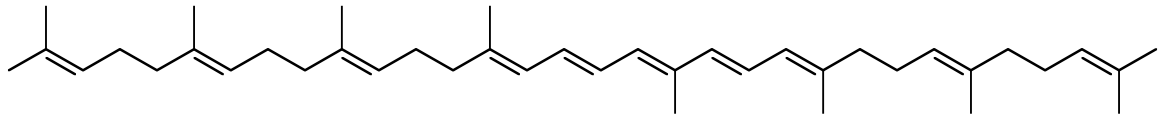
Neurosporene



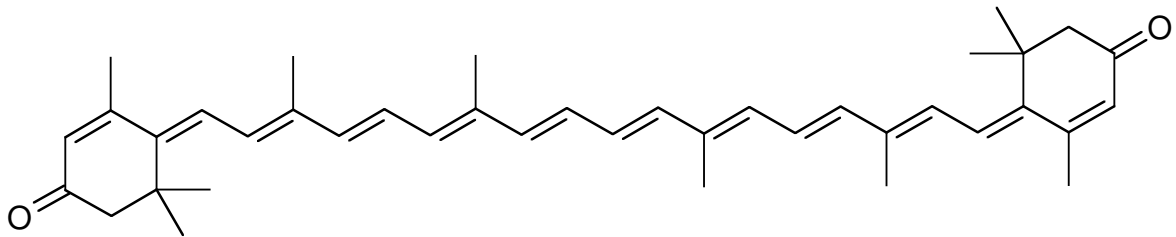
Norbixin



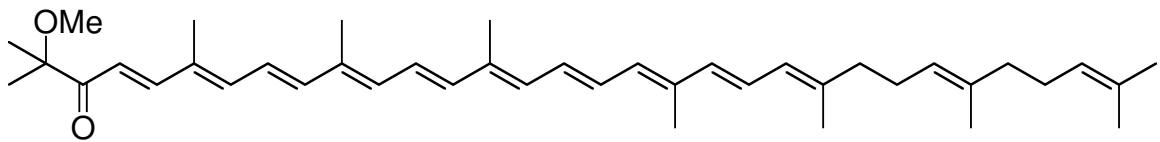
(*E/Z*)-Phytoene



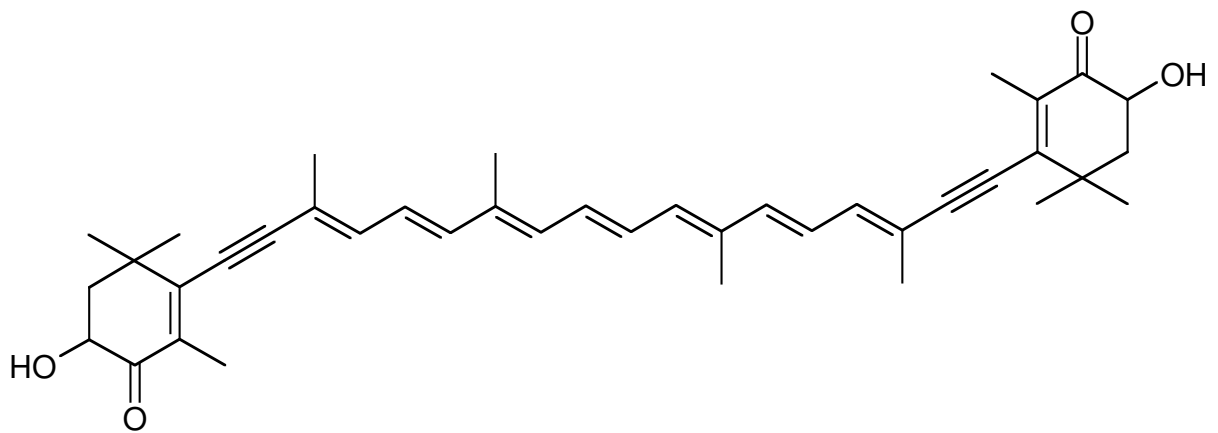
(*E/Z*) -Phytofluene



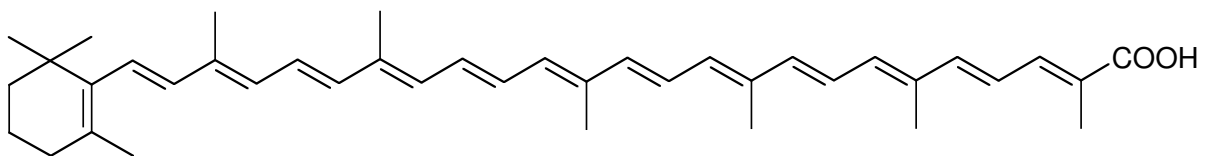
Rhodoxanthin



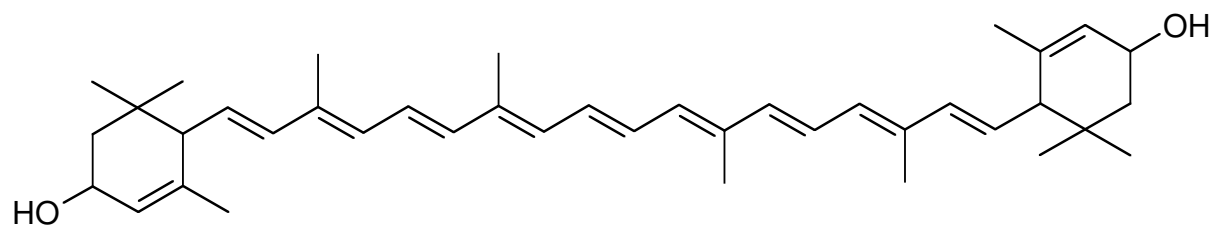
Spheroidenone



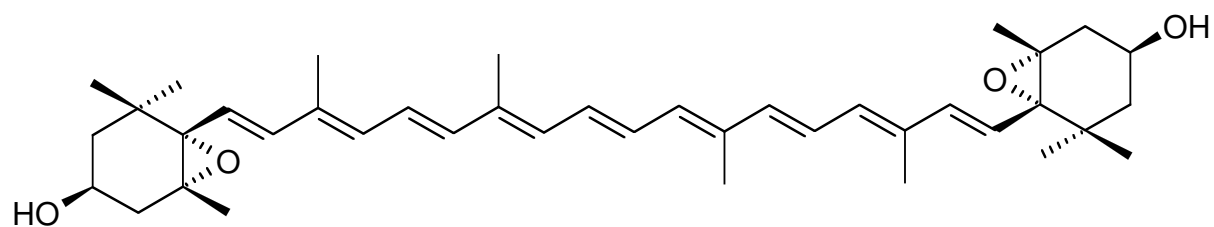
(*rac/meso*)-7,8,7',8'-Tetrahydroastaxanthin



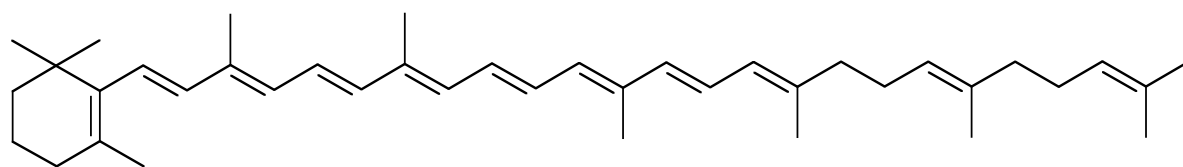
Torularhodin



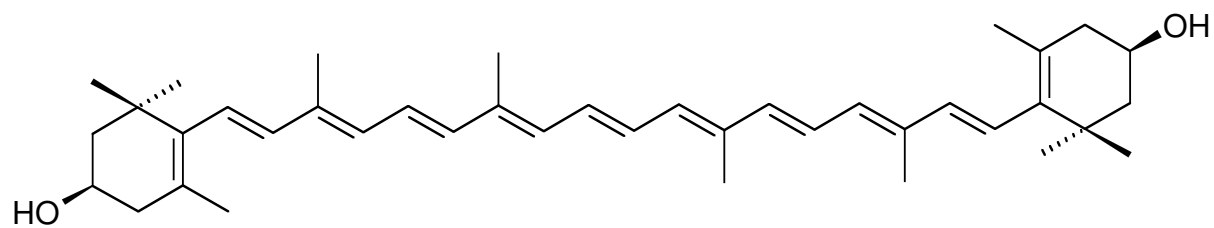
Tunaxanthin



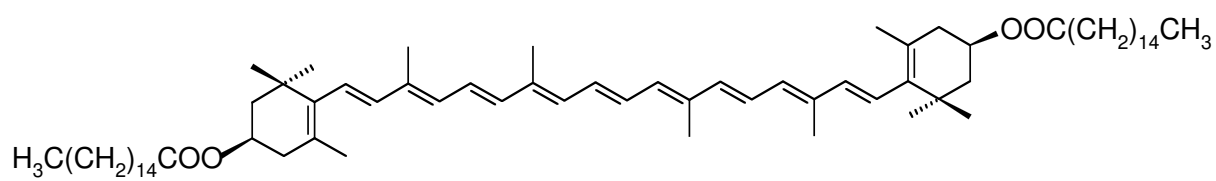
Violaxanthin



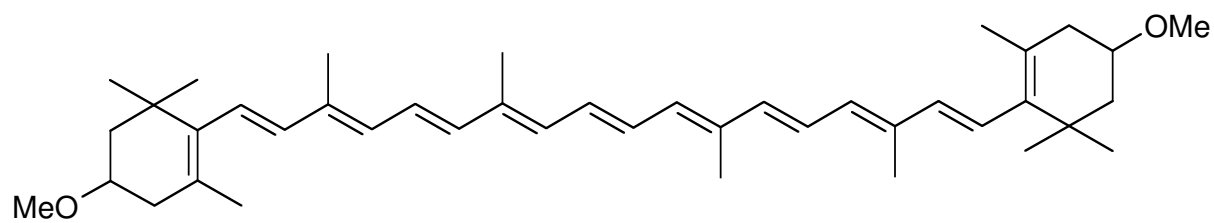
β -Zeacarotene



Zeaxanthin



Zeaxanthin dipalmitate



(*rac/meso*)-Zeaxanthin dimethyl ether