CAROTENOID BIOSYNTHESIS

Terpenoid backbone biosynthesis
Farnesyl-PP
Presqualene-PP
4,4'-Diapo-phytoene
4,4'-Diapo-neurosporene
4,4'-Diapo-lycopene
Geranyl-geranyl-PP
Prephytoene-PP
Diapocarotene biosynthesis
Staphyloxanthin
Glycosyl-4,4'-diapo-neurosporenoate
4,4'-Diapo-neurosporenic acid
4,4'-Diapo-lycopenedial
15,9'-dicis-Phytofluene
9,15,9'-tricis-ζ-Carotene
9,9'-Di-cis-ζ-Carotene
7,9,9'-tricis-Neurosporene
7,9,7',9'-tetra-cis-Lycopene
Phytoene
Phytofluene
ζ-Carotene
Neurosporene
Lycopene
Rhodopinal glucoside
Rhodopinal
Rhodopin
3,4-Dehydro-rhodopin
Anhydro-rhodovibrin
Rhodovibrin
Hydroxy-spirilloxanthin
Spirilloxanthin
2-Keto-spirilloxanthin
2,2'-Diketo-spirilloxanthin
Normal-spirilloxanthin pathway
3,4-Dihydro-anhydrorhodovibrin
3',4'-Dihydro-rhodovibrin
Tetrahydro-spirilloxanthin
Unusual-spirilloxanthin pathway
δ-Carotene
ε-Carotene
α-Carotene
Zeinoxanthin
α-Cryptoxanthin
Lutein
Lutein biosynthesis
(2S,2'S)-Oscillol
(2S,2'S)-Oscillol 2,2'-di(α-L-fucoside)
3,4-Didehydro-lycopene
Torulene
β-Apo-4'-carotenal
Neurosporaxanthin
Neurosporaxanthin biosynthesis
R.g.-Keto I
Thiothece-474
Okenone
Okenone pathway
R.g.-Keto III
CrtY
Chlorobactene
γ-Carotene
Hydroxy-chlorobactene
1'-Hydroxy-torulene
1'-Hydroxy-γ-carotene
Hydroxy-chlorobactene glucoside
1'-Hydroxy-γ-carotene glucoside
Hydroxy-chlorobactene glucoside ester
1'-Hydroxy-γ-carotene glucoside ester
Spheroidene pathway
3,4-Dihydro-spheroidene
Hydroxy-neurosporene
Demethyl-spheroidene
Hydroxy-spheroidene
Spheroidene
Hydroxy-spheroidenone
Spheroidenone
β-Zeacarotene
7,8-Dihydro-β-carotene
Strigolactone ABC-rings
β-Carotene
9-cis-β-Carotene
9-cis-10'-Apo-β-carotenal
Carlactone
5-Deoxy-strigol
1.14.13.-
Strigol
Retinol metabolism
Isorenieratene
β-Isorenieratene
Thermo-biszeaxanthin
Thermo-cryptoxanthin
Thermo-zeaxanthin
Zeaxanthin diglucoside
Nostoxanthin
Caloxanthin
Capsanthin
Capsorubin
Low-light condition
High-light condition
Zeaxanthin
Anthera-xanthin
Violaxanthin
Neoxanthin
9'-cis-Neoxanthin
9-cis-Violaxanthin
Xanthophyll cycle
β-Cryptoxanthin
Echinenone
3-Hydroxy-echinenone
3'-Hydroxy-echinenone
Adonixanthin
Canthaxanthin
Phoenicoxanthin
Asta-xanthin
Astaxanthin diester
Astaxanthin biosynthesis
Abscisic alcohol
Abscisic aldehyde
Abscisate
Xanthoxic acid
Xanthoxin
Abscisic acid biosynthesis
8'-Hydroxy-abscisate
Phaseic acid
Dihydroxy-phaseic acid
Abscisic acid glucose ester
(2'S)-Deoxymyxol 2'-(2,4-di-O-methyl-α-L-fucoside)
(3R,2'S)-Myxol 2'-(2,4-di-O-methyl-α-L-fucoside)
(2'S)-Deoxymyxol 2'-α-L-fucoside
(3R,2'S)-Myxol 2'-α-L-fucoside
(3S,2'S)-4-Ketomyxol 2'-α-L-fucoside
Myxol biosynthesis

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