ine biosynthesis, grutamate => ordinathine

He biosynthesis, grutamate => arginine

He biosynthesis, grutamate => arginine

John He biosynthesis, grutamate => propagation

John He biosynthesis, grutamate => adrenaline

John He biosynthesis grutamate => propagate -> propa

catechol = > acetyleda catechol = > acetyleda 4-methylcatechol => propanoyl-CoA phthalate => torotocatechuage A-succinyl CoA lighten | Feta protein-flavoprotein complex, mitochondria ouctase chibroplasts and cyanobacteria

thesis, pyruvate etateatine - 2-exobutanoate => isoleucine oxolisoratione - 2-exobutanoate => isoleucine oxolisoratione - 2-exobutanoate => isoleucine oxolisoratione - 3-exobutanoate => isoleucine oxolisoratione - 3-exobutanoate => isoleucine oxolisoratione - 3-exobutanoate - 3-exolisoratione - 3-exobutanoate - 3-exolicoratione - 3-exobutanoate - 3-exobutanoate

partare a pantothenate a glutamate => heme

Methionine biosynthesis, apartate => cysteine => cysteine => cysteine => cysteine

h, histibline histidio miminoglutamate => glutamate psynthesis acetyl-CoA => acetoacetate--3-hydroxybutyrate--acetone personal property biosynthesis, PAC => PS => PE

| ESS | FAB DEN OUT BET AS PARTITION OF THE STREET | LYSING | LYSI

Final dehyde pathway, propanoyl-CoA => acetyl-CoA

The dehyde pathway, propanoyl-CoA => acetyl-CoA

The dehyde deligible for a propanoyl-CoA => acetyl-CoA

The dehyde deligible for a propanoyl-CoA => pyruyate + D-glyceraldehyde 3P

The dehyde sis, plants, glycese => ascorbate + D-glyceraldehyde 3P

The dehyde sis, plants, glycese => acetyl-CoA

The dehyde sis, plants, glycese == acetyl-CoA

The deh

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 Arginine and proline metabolism Macrolide biosynthesis Methane metabolism Aromatic amino acid metabolism Aromatics degradation ATP synthesis Biosynthesis of other secondary metabolites

Branched-chain amino acid metabolism

 Central carbohydrate metabolism Cofactor and vitamin metabolism

Glycosaminoglycan metabolism

Lipopolysaccharide metabolism

Cysteine and methionine metabolism

Carbon fixation

Drug resistance

Lipid metabolism

Lysine metabolism

Enediyne biosynthesis

Fatty acid metabolism

Histidine metabolism

 Nitrogen metabolism Other amino acid metabolism Other carbohydrate metabolism

 Other terpenoid biosynthesis Pathogenicity Photosynthesis Polyamine biosynthesis

 Polyketide sugar unit biosynthesis Purine metabolism Pyrimidine metabolism

Serine and threonine metabolism Sterol biosynthesis Sulfur metabolism

> Terpenoid backbone biosynthesis Type II polyketide biosynthesis

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