LIPOIC ACID METABOLISM

(Biosynthesis)

Fatty acid biosynthesis → Octanoyl-[acp] → LipA (2.8.1.8) → Lipoyl-[acp] → LipB (23.1.181) → Protein N6-(octanoyl)lysine → LipA (2.8.1.8) → Protein N6-(lipoyl)lysine → Oxo-acid dehydrogenase complexes (E2 subunit) Glycine cleavage system (H protein)

(Salvage)

Lipoic acid → LplA (2.7.7.63) → Lipoyl-AMP → LipT1

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