LIPOIC ACID METABOLISM

(Biosynthesis)

Fatty acid biosynthesis → Octanoyl-[ACP] → LipA 2.8.1.8 → Lipoyl-[ACP] → LipB 231.181 → Protein N6-(octanoyl)lysine

(Salvage)

Lipoic acid → LplA 2.7.7.63 → Lae → Lipoyl-AMP

LipB 231.181 → LipA 2.8.1.8 → LplA 2.7.7.63 → LipT1

Protein N6-(lipoyl)lysine

Oxo-acid dehydrogenase complexes (E2 subunit)
Glycine cleavage system (H protein)
NICOTINATE AND NICOTINAMIDE METABOLISM