

Branched chain amino acid & CKD

Branched chain amino acid

e.g. Leucine, Isoleucine, Valine

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BCAT
(Transamination) CKD

Branched chain keto acid

BCKDC (Branched chain keto acid dehydrogenase)

- maple syrup urine disease

↓
Respective Co-A

↓
Succinyl CoA (Valine) + Acetyl CoA
(~~leucine~~ leucine, Isoleucine)