

Rumen

Tissues

Dietary Fat e.g. Linoleic Acid
cis-9, *cis*-12 C18:2



cis-9, *cis*-12 C18:2



cis-9, *trans*-11 C18:2 (CLA)



cis-9, *trans*-11 C18:2 (CLA)



trans-11 C18:1 (Vaccenic acid)



trans-11 C18:1



Δ -9-Desaturase



C18:0 (Stearic acid)



C18:0 \longrightarrow *cis*-9 C18:1
 Δ -9-Desaturase