Lipid uptake

Lipid Catabolism
Chem 527

Phospholipase A2

Example of a bile salt taurochenodeoxycholate

TAG and cholesterol ester
1) Acyl-CoA synthetase - joins fatty acid + CoA, uses 2 ATPs

2) Carnitine acyl-transferase complex – transports acyl-CoA to matrix of mitochondria

\[
\text{Fatty acid} + \text{CoA-SH} \xrightarrow{\text{AMP + ATP, PPi}} \text{C}_{16} \text{ palmitoyl}
\]