

Utilization of glycerol

Glycerol obtained by **hydrolysis of triacylglycerols** is involved in energy metabolism through the intermediates of glycolysis or gluconeogenesis. The first step is its phosphorylation to **glycerol-3-P** by **glycerol kinase**. It is followed by its dehydrogenation to **dihydroxyacetone-P** catalyzed by **glyceraldehyde-3-phosphate dehydrogenase**. The latter represents an intermediate product of glycolysis/gluconeogenesis.

Links

Related Articles

- Alcohol
- Lipids as an energy source
- Lipid breakdown and ketone body metabolism

Source

Fontana J., Trnka J., Maďa P., Ivák P. a kol.:Transformation of substances and energy in the cell. In: Functions of cells and the human body : Multimedia scripts. Available online from: [1] (<http://fb.lt.cz/skripta/ii-premena-latek-a-energie-v-bunce/>)