

GLYCERO, **O** -O-H -O-H

·connectino molecule that can bond to three fatly acids to form a triglyceride

Nutrition Facts

Serving Size: 1 slice of cheese (17g) Servings Per Container: 20

Amount Per Serving

Calories 70

Calories from Fat 50

Calories from Saturated Fat 65

	% Daily Value*
otal Fat 6g	9%
Saturated Fat 3.5g	18%

Trans Fat Og Polyunsaturated Fat 2g

Monounsaturated Fat 0.5g

Cholesterol 20mg 6% Sodium 115mg 5%

Potassium Omg 0% Total Carbohydrate 0g 0% Dietary Fiber 0g 0%

Sugars 0g Other Carbohydrate 0g

Protein 49	0 70
Vitamin A 4%	Vitamin C 0%
Calcium 10%	Iron 0%
Thiamin 0%	Riboflavin 0%
Niacin 0%	Folic Acid 0%

Percent(%) Daily Value are based on a 2,000 calorie diet.

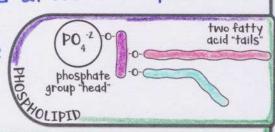
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found in vegetable oils, nuts and Ash.

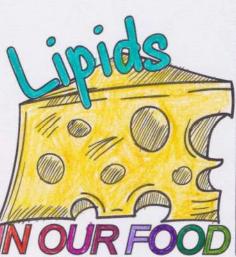
what human, animal and vegetable fats are mode of CEAIDE ·Saturated fats (triglycerides) are mode of saturated fatty acids (no double bonds and are generally solid at room temperature unsaturated fats (triglycerides) are made of unsaturated fatty acids (has some double bonds) and are generally liquid at room temperature.

·our cells are made of modified triglycerides called phospholipids



@ Bethany Lau

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·cholesterol is another type of lipid common in our food. when you get a blood test they test for LDC (low density) and HDL (high density) LDL is the kind that can build up in your blood vessels. HDL helps remove LDL from your body.

Fatty Acids: Structure

Name:

Elements: C,H, O

Functional Groups:

carboxylic acid

Trans-unsaturated has double bond but chain is still often pretty straight

Cis-unsaturated
has double
bond and chain
is bent

Saturated no double bonds, forms straight chain

& Function

·fatty acids can be broken down in cells to provide energy

·fatty acids are also used in the construction of several cellular structures

Triglycerides: 3 Fatty Acids Plus a Glycerol

Glycerol

connector

Function

· Triglycerides can be Stored in cells or body tissue as fat, to save energy for later · modified triglycerides like phospholipids are used to form the cell membrane

Phospholipids: 2 Fatty Acids and a Phosphate Group attached to a glycerol

Other Important Lipids:

Sterol lipids (Steroids):

cholesterol is also a lipid. Many hormones and signalling molecules are made with cholesterol

wax molecules are also lipids.
They are created by reacting a
fatty acid with an alcohol. Animals
and plants use wax-type lipids
to prevent water from getting
into a tissue.

Lipids: Structure and Function

UEJ YNEA