

Esterification Lab Answers

Insulin

into triglycerides; decrease of insulin causes the reverse. Increased esterification of fatty acids – forces adipose tissue to make neutral fats (i.e., triglycerides)

Insulin (, from Latin insula, 'island') is a peptide hormone produced by beta cells of the pancreatic islets encoded in humans by the insulin (INS) gene. It is the main anabolic hormone of the body. It regulates the metabolism of carbohydrates, fats, and protein by promoting the absorption of glucose from the blood into cells of the liver, fat, and skeletal muscles. In these tissues the absorbed glucose is converted into either glycogen, via glycogenesis, or fats (triglycerides), via lipogenesis; in the liver, glucose is converted into both. Glucose production and secretion by the liver are strongly inhibited by high concentrations of insulin in the blood. Circulating insulin also affects the synthesis of proteins in a wide variety of tissues. It is thus an anabolic hormone, promoting the...

Wikipedia:Reference desk/Archives/Science/2009 July 23

what type of flavors I can bring out by encouraging a greater yield of esterification (0.1% yield is satisfactory) during the cooking process by mixing alcohols

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Wikipedia:Reference desk/Archives/Science/December 2009

December 28 most appropriate article strange astronomical sight Fischer esterification with amino acids -- worried about the protonated amino group Extraterrestrial

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Wikipedia:Reference desk/Archives/Science/2020 November 16

thermodynamic principle, water must be driven off to drive acid-catalyzed esterification to completion, but this is not required in saponification, which consumes

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<< Oct | November | Dec >>

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Wikipedia:Peer review/Acetic acid/archive1

the FA committee says. There is one place where two similar example esterification reactions are shown. That can be reduced to one reaction by replacing

Wikipedia:Reference desk/Archives/Science/2016 January 14

January 2016 (UTC) Short-answer: they don't. Peptide bond formation is much harder than just simple Fischer esterification-- for the issue that if you

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Wikipedia:ACF Regionals answers/01

"Wingfield") --> *character in The Glass Menagerie, needs own article?*
[1,179] esterification (accept equivalents like ester synthesis, don't accept etherification

Wikipedia:Reference desk/Archives/Science/2009 August 11

What are some common food items that contain favourable OH groups for esterification? (And favourable COOH groups too?) Preferably these are compounds I

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does not behave like 38% HCl that is ten times more diluted. Fischer esterification runs much more than 10 times more slowly with conc. HCl that has been

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<< Oct | November | Dec >>

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Wikipedia:Reference desk/Archives/Science/2009 July 17

19 July 2009 (UTC) Is the pH of vinegar too high to attempt Fischer esterification with ethanol and vinegar over a hot frying pan? The yield prolly wouldn't

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<< Jun | July | Aug >>

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