



# Healthy FATS for a Healthy Lifestyle

Functional & Nutritional Lipids





# Nutritional Health

Making a positive contribution to the nutritional health market is important to us. ABITEC manufactures functional lipids, such as our CAPTEX® medium-chain triglycerides (MCTs) from high quality resources while striving to meet sustainability initiatives. ABITEC's lipids function as bioavailability enhancers, carriers, solubilizers, emulsifiers, energy sources, structured lipids, nutritional powders, and tablet lubricants for the functional food, supplement, and nutrition markets.





# ABITEC is your science-driven source for nutritional ingredients



ABITEC is a global leader in the development and manufacturing of speciality lipids and emulsifiers for the pharmaceutical, nutritional, and speciality chemical markets. Through our world-class technical, scientific, regulatory, and manufacturing expertise, we deliver high quality functional lipids that aid in solubilization, emulsification, and improved processing.

## Nutritional Health Offerings

ABITEC's portfolio offers **function** and **nutrition** to a wide range of **markets**

### Benefits

- COGNITION
- ENERGY
- SATIETY
- BIOAVAILABILITY & SOLUBILITY
- PROCESSING AIDS
- IMPROVED TEXTURE & TASTE
- EMULSIFICATION

### Markets

- SPORTS NUTRITION
- DIETARY SUPPLEMENTS
- WEIGHT MANAGEMENT
- FOOD & BEVERAGE
- CLINICAL NUTRITION
- ANIMAL NUTRITION
- CANNABIS DELIVERY
- FOOD & FLAVOR









4-0115-10-100-00

## Safe, Quality, Responsible Ingredients

- The **safety** of our employees is of the utmost importance to ABITEC and we have built a culture dedicated to keeping ourselves and others safe.
- We **continually** aim to keep our customers and your customers safe by providing **premium** ingredients that meet the **highest of standards**.
- ABITEC supports the **Roundtable on Sustainable Palm Oil (RSPO)** as a subsidiary of ABF, which has been a member of RSPO since 2010. Our standard line of products from palm-derived sources are covered under Greenpalm and/or RSPO credits, Book & Claim Supply Chain models, which support the production of sustainable palm.

To learn more visit:  
[abiteccorp.com/en/about-us/our-corporate-social-responsibility/](http://abiteccorp.com/en/about-us/our-corporate-social-responsibility/)



# Nutritional Lipids that bring **health** and **function**



## Liquids

ABITEC's products bring nutritional value and functional benefits such as solubilization and emulsification to your liquid supplements, beverages, and more!

## Powders

ABITEC's NUTRI SPERSE® powders offer unique properties that improve taste, mouth feel, and texture while providing additional health benefits like increasing energy, cognitive support, and healthy weight management.

## Tablets & Softgels

ABITEC provides solutions for both improving manufacturing efficiencies and enhancing absorption in tablet and softgel applications.

## BENEFITS

### COGNITION

- MCTs support cognition and brain health
- MCTs are converted to ketones in the liver to help provide energy for the brain

**Products:** CAPTEX® liquid MCTs, NUTRI SPERSE® powdered MCTs

**Applications:** Dietary supplements, beverages, powders, & more!

### ENERGY

- MCTs increase ketone development helping fuel the body and mind
- MCTs provide steady and sustainable energy for your body

**Products:** CAPTEX® liquid MCTs, NUTRI SPERSE® powdered lipids

**Applications:** Beverages, bars, gummies, & more!





# Health Benefits for a Healthy Life.

## SATIETY

- MCTs increase thermogenesis and decrease fat tissue for healthy weight management [1-3].
- MCTs increase satiety and decrease food consumption during the following meal [4].

**Products:** CAPTEX® Liquid MCTs, NUTRI SPERSE® Powdered MCTs

**Applications:** Functional foods, beverages, powders, gelpaks & more!

## BIOAVAILABILITY ENHANCEMENT

- Solutions to support nutrient bioavailability.
  - SENDS™ Self-Emulsifying Nutraceutical Delivery System
- Solubilization, emulsification, and or dispersion of active ingredients and polar lipids

**Products:** CAPMUL®, CAPTEX®, CAPROL®, ACCONON®

**Applications:** Tablets & Softgels

## PROCESSING & MANUFACTURING EFFICIENCY

- Improved processing of tablets & softgels
- Improved lubrication properties
- Enhanced printing and painting of tablets

**Featuring ABITEC functional lipids for use in Cannabis formulations.**

**ABITEC's lipids can enhance the emulsification, solubilization, and bioavailability of your CBD products.**

1. St. Onge, M.P. , Jones, J.H. (2002) Physiological Effects of Medium Chain triglycerides: Potential Agents in the Prevention of Obesity, J. Nutr. 132: 329-332

2. Bach AC and Babayan VK. Medium-chain triglycerides: an update. The American journal of clinical nutrition 1982;36(5):950-62.

3. Heydinger JA and Nakhasi DK. Medium Chain Triacylglycerols. J Food Lipids 1996;3:251-257.

4. Gregg, Edward W., Shaw, Jonathan E., . . (2017) Global Health Effects of Overweight and Obesity. New England Journal of Medicine 377:1, 80-81.





## Improve Taste, Texture, & More!

For powders & liquids

- **Our Lipid Powders** provide a healthy source of fat and provide creamy mouth feel.
- **Our Emulsifiers** improve texture, increase volume, and provide stability.
- **Our Solubilizers** improve mouth feel, texture, and creaminess in a variety of nutritional foods.
- **Our Plant-Based Oils** are used as a matrix for encapsulation, sustained or delayed-release, active barrier protection, and taste masking.



# Product Versatility



## **CAPTEX® Medium-Chain Triglycerides**

Readily available source of energy for the body and brain and have shown to increase ketone development helping provide fuel (energy) for your body and mind. Our MCTs are kosher, halal, non-GMO, and available in liquid and powdered forms.

## **NUTRI SPERSE® Powdered Lipids**

Deliver up to 73% fat content from a wide range of healthy oils, including MCTs, canola, and high oleic sunflower. All of our oils herein are free of partially-hydrogenated oils, are kosher, and halal. These lipids provide a creamy mouth feel and improved functionality to products where liquid oils are not applicable.

## **CAPMUL® Mono- and diglycerides**

Improve the bioavailability of insoluble and/or impermeable active nutritional ingredients (ANIs). They improve ingredient absorption, emulsification, and solubilization.

## **CAPROL® Polyglycerol Esters**

Used as emulsifiers and solubilizers in an array of nutritional supplements because they offer a wide range of Hydrophilic-Lipophilic Balance (HLBs) meeting the needs of many formulation requirements. They improve texture and consistency, work well with proteins to improve flow, and offer a smooth mouth feel.

## **ACCONON® Surfactants**

Improve the bioavailability of poorly water soluble ANIs by direct solubilization or by acting as a stabilizing surfactant in active-carrying emulsions.

## **STEROTEX® Vegetable Oils**

Designed to be dry blended into tablet formulations to provide lubrication during direct compression tableting. Utilized in melt processing to generate the active containing multi-particulates with sustained-release, abuse-deterrent, and/or taste-masking characteristics



**Larodan**  
Research Grade Lipids



Larodan offers high purity research grade lipids that are used as analytical reference standards and reagents. Visit Larodan's website to learn more about the full product offering (see QR code above).



Product Name	Chemical Name	Caprylic (C8) fatty acid content (%)	Capric (C10) fatty acid content (%)
Liquids/Solids			
ACCONON® C-44 EP/NF*	Lauroyl Macroglycerides		
ACCONON C-50 EP/NF*	Stearoyl Macroglycerides or Stearoyl Polyoxylglycerides		
CAPMUL® 471	Glyceryl Caprylate/Caprates; Mono and diglycerides		
CAPMUL GMO-50	Glyceryl Monooleate		
CAPMUL GMS-50K	Glyceryl Monostearate		
CAPROL® 3GO	Triglycerol Monooleate; Polyglycerol oleate		
CAPROL ET	Mixed Polyglycerol Esters		
CAPROL MPGO	Polyglycerol Esters of Oleic Acid		
CAPROL PGE 860	Decaglycerol Mono- & Dioleate, Polyglycerol oleate		
CAPTEX® 300	Caprylic/Capric Triglyceride	70%	30%
CAPTEX 355	Caprylic/Capric Triglyceride	55%	45%
CAPTEX 1000	Glyceryl Tricaprate;Tricaprin	2%	98%
CAPTEX 8000	Glyceryl Tricaprylate	98%	2%
CAPTEX GTO	Triolein		
PURECO® 76	Coconut Oil		
STEROTEX® P	Palm oil and Modified Palm Oil		
STEROTEX NF	Hydrogenated Cottonseed Oil		

Product Name	Substrate/Base	Oil Type	Oil Load
Powders			
NUTRI SPERSE HOS 70 ND	Non-GMO Maltodextrin	High Oleic Sunflower	70%
NUTRI SPERSE HOS 73	Buttermilk	High Oleic Sunflower	73%
NUTRI SPERSE HOSO M	Maltodextrin	High Oleic Sunflower	48%
NUTRI SPERSE MCT 50	Non-GMO Maltodextrin	MCT	50%
NUTRI SPERSE MCT 70	Nonfat Dried Milk	MCT	70%
NUTRI SPERSE MCT C8	Nonfat Dried Milk	MCT	70%
NUTRI SPERSE MCT GA	Gum Acacia	MCT	70%



Dietary Supplement	Sports Nutrition	Weight Management	Animal Nutrition	Clinical Nutrition	Food, Flavor & Coatings	Cannabis Delivery	Cognition	Energy	Satiety	Bioavailability Enhancement	Controlled Release	SENDS	Functional Food	Functional Beverage	Powders	Tablets & Softgels	Encapsulation	Processing Aids	Spreads
Market							Benefit					Application							
X												X							
X												X							
X			X	X	X	X				X		X	X	X		X	X		
X			X	X	X	X							X	X		X	X		
			X		X	X					X		X	X					
X			X		X	X				X		X				X			
X			X		X	X				X		X				X			
X			X		X	X				X		X				X			
X	X	X	X	X		X	X	X	X	X		X	X	X		X		X	
X	X	X	X	X		X	X	X	X	X		X	X	X		X		X	
X	X	X	X	X		X	X	X	X	X		X	X	X		X			X
X	X	X	X	X		X	X	X	X	X		X	X	X		X			
			X	X		X							X	X					
X													X						
			X		X						X				X	X	X	X	
			X		X						X				X	X		X	

Dietary Supplement	Sports Nutrition	Weight Management	Animal Nutrition	Clinical Nutrition	Food, Flavor & Coatings	Cannabis Delivery	Cognition	Energy	Satiety	Bioavailability Enhancement	Controlled Release	SENDS	Functional Food	Functional Beverage	Powders	Tablets & Softgels	Processing Aids	Spreads	
Market							Benefit					Application							
X	X			X		X		X					X	X	X				
X	X			X	X	X		X					X	X	X				
X	X			X	X	X		X					X	X	X				
X	X	X	X	X		X	X	X	X				X	X	X				
X	X	X	X	X		X	X	X	X				X	X	X				
X	X	X	X	X		X	X	X	X				X	X	X				
X	X	X	X	X		X	X	X	X				X	X	X				





ABITEC Corporation is part of ABF Ingredients and is headquartered in Columbus, Ohio, US with two manufacturing sites in the Midwest. ABITEC specializes in the manufacturing and distribution of specialty lipid ingredients for use in the pharmaceutical, nutraceutical, and specialty chemical markets.

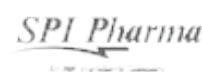
Larodan, located in the Karolinska Institute in Stockholm Sweden, develops, manufactures and markets a comprehensive range of high purity lipids for the international market. Serving numerous research and pharmaceutical markets, Larodan's aim is to be an optimal partner for lipid-related research and product development needs.

ABITEC Corporation  
501 W. 1<sup>st</sup> Ave.  
Columbus, OH 43215  
USA

800-555-1255  
+1 614-429-6464  
abiteccorp.com  
sales@abiteccorp.com

Larodan  
Karolinska Institute  
Science Park  
Nobels väg 16  
17165 Solna  
Sweden

+46.20.152200  
+46.732.650010  
larodan.com



CAPTEX, CAPMUL, ACCONON, HYDRO-KOTE, and STEROTEX are registered trademarks of ABITEC Corporation. INJECTA is a trademark of ABITEC Corporation.

All information and statements given in this brochure are believed to be accurate at the time of publication. However, neither ABITEC nor any of their affiliates make any representations or warranty with respect thereto, including, but not limit to, any results obtained in the processing of the products by customers or any third party. All information and statements are intended for persons having the required skill and know-how and do not relieve the customer or user from verifying the suitability of information and statements given for a specific purpose prior to use of products. It is entirely the obligation of the customer or user to comply with applicable laws and regulations, and also with all patent or other intellectual property rights of third parties.

ABITEC EXPRESSLY DISCLAIMS ANY REPRESENTATIONS OR WARRANTIES OF ANY KIND, WHETHER EXPRESS OR IMPLIED, AS TO THE ACCURACY, CURRENCY, COMPLETENESS AND/OR THE MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE OF ANY INFORMATION CONTAINED IN THIS BROCHURE AND/OR ANY PRODUCT DESCRIBED OR PROMOTED IN THIS BROCHURE, INCLUDING WARRANTIES WITH RESPECT TO INFRINGEMENT OF ANY PATENT, COPYRIGHT, OR OTHER RIGHTS OF A THIRD PARTY. We reserve the right to change product specification and not specified properties of the products without prior notice.