

Natural Products List

CLASS	COMPOUND	SUBSTRATE SOURCE
Carotenoids	Astaxanthin	Algae, yeast, sea crustaceans
	Lycopene	Tomato waste
	Lutein	Marigolds
	β-Carotene	Carrot waste stream
	Carotenes	Zein Powder
Cannabinoids	CBD	Industrial hemp
Phytosterols	Stigmasterol	Legume, cereal crops, natural oils, saw palmetto
	B-Sitosterol	
	Campesterol	
Natural Phenols & Terpenes	Curcuminoids	Turmeric
	Carnosic acid	Rosemary
	Rosmarinic Acid	Basil leaf
	Lapachol	Lapacho tree bark
	Gingerol	Ginger plant
	Natural Phenols	Galangal root
	Essential oils - lupulone & humulone	Hops
	Coriander terpenes	Cilantro
Fats and Waxes		
Omega-3 oils	EPA	Yeast biomass
	DHA	Algae biomass
Omega-6 oils	ARA	Fungi biomass
	GLA	Borage seeds

CLASS	COMPOUND	SUBSTRATE SOURCE
Polar lipids	Phospholipids	Krill, microalgae, dried egg yolk, salmon waste
	Sphingolipids	Milk feed
	Glycolipids	Microalgae, sea cucumber
Neutral lipids	Triglycerides	whey, butter, tree nuts
	Lipids extract	Porcine thyroid gland
	Lipids extract	Pongamia seeds
	Free fatty acids	Rice bran oil distillate (RBO)
	Seed oils - biofuels	<i>Jatropha</i> seeds
	Seed oils	Cranberry seed
	Fats	Flaxseed
	Fats	Soy
	Biofuel - oil	Jojoba, canola, annatto seeds, pongamia
Organosulfur Compounds	Sulforaphane	Broccoli, garlic
	Alliin and allicin	Freeze-dried garlic powder
Lactones	Thapsigargin	Seeds
	Withanolides	Ashwagandha root extract
	Artemisinin	<i>Artemisia annua</i> leaf
	Kavalactones	Kava powder
Plant Alkaloids	Nicotine	Tobacco leaves
	Paclitaxel	Yew tree roots
	Mitragynine	Kratom
	Caffeine/tea extracts	Greek Mountain tea, sweet tea powder
	Anatabine	Tobacco
	Piperine	Black peppercorn
	Capsaicin	Capsicum peppers
	Camptothecin	<i>Camptotheca acuminata</i> leaf
	Hydrastine	Goldenseal root powder
Protoveratrine	White <i>Veratrum</i>	

CLASS	COMPOUND	SUBSTRATE SOURCE
Natural Opioids	Thebaine	Poppy straw
	Codeine	
	Morphine	
Other Phytonutrients		
Quinones	Thymoquinone	<i>Nigella</i> seeds
	Ubiquinol	Coenzyme Q10 solution
Flavonoids	Sumac extract	<i>Rhus glabra</i> plant
	Spinach extract	Spinach powder
Alkamides	Echinacea extract	<i>Echinacea</i> plant root
Anthocyanins	Cranberry extract	Cranberries
Glycosides	Ginsenosides	Ginseng root
Vitamins	Tocopherols	Vegetable oils
Chlorophyll		Alfalfa
Anti-Inflammatory	Lignan - honokiol/magnolol	<i>Magnolia</i> bark
Nature Insecticides	Beautyberry extract	Beautyberry leaf
	Essential oils extract	Cedar wood
	Essential oils/thujone	Worm word
Natural Fungicide	Camphor	Sagebrush
	Betulinic acid	Birch bark
Natural Antimicrobial	Guava extract	Guava plant
Natural Antibiotic	<i>Leptotaenia</i> extract	<i>Leptotaenia</i> root
Flavors & Fragrances	Essential oils	Lei petal extract
Odor Removal	Oils	Pet fish powder
Weight-Loss Supplement	Forskolin extract	<i>Coleus forskohlii</i>