

## The upstart in prebiotics

## ——Ce-RS3 (type 3 resistant starch from Canna edulis)

Ce-RS3as a new generation of prebiotics, in the gut like insoluble fiber, resistant to enzymatic hydrolysis and digestion, at the same time it can be completely fermented, like soluble fiber, both the benefits of these two fibers.

## There are patents, clinical

Patent number: ZL201010182965.9

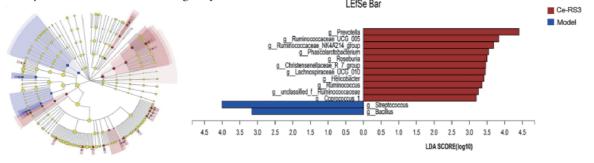
The content of RS3 resistant starch was 49.11%. This is the highest content of RS3 type resistant starch in the world.

# 1. Ce-RS3 can reverse HFD-induced dysregulation of intestinal metabolome

### Regulate the diversity and abundance of intestinal flora

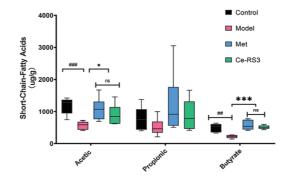
Prevotella is particularly enriched and has greater efficacy in improving bile acid metabolites, TG, TC and body weight levels.

Almost no Akermannia was found in the model group, and the number of Akermannia was significantly increased in the Ce-RS3 group.



#### Produce more short-chain fatty acids

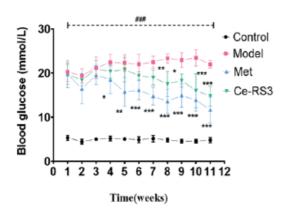
The content of short-chain fatty acids in the feces of Ce-RS3 intervention group was significantly increased compared with that of the model group.

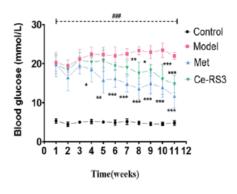


## 2. Ce-RS3 can regulate and reverse glycolipid metabolism

#### regulate blood sugar

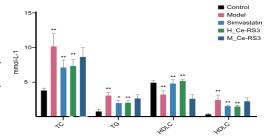
Ce-RS3 can effectively improve the intestinal flora diversity of diabetic patients, enhance insulin sensitivity, promote the proliferation of islet beta cells, repair damaged islet tissue, and thus reduce fasting blood glucose level, and the hypoglycemic effect is close to metformin.





### regulate blood lipids

Lower total cholesterol (TC), triglycerides (TG), low density lipoprotein (LDL-C), and increase high density lipoprotein (HDL-C)



# 3, Ce-RS3 can prevent HFD-induced obesity and metabolic disorders

## control body weight

Quick effect: The effect is obvious from 2 weeks: under the same intervention conditions, after 13 weeks of continuous use, compared with the non-use group, the weight loss can be up to more than 20%.

