

Special Products

E-Newsletter July.2021
Kangcare Bioindustry Co.,Ltd

β -Nicotinamide Mononucleotide

Description:

Nicotinamide mononucleotide (" NMN " and " β -NMN ") is a nucleotide derived from ribose and nicotinamide. Like nicotinamide riboside, NMN is a derivative of niacin, and humans have enzymes that can use NMN to generate nicotinamide adenine dinucleotide (NADH).



Sources:

NMN is widely distributed in daily food, common cauliflower, tomatoes, raw beef and so on; It can also be synthesized endogenous, with 1 molecule of nicotinamide and 1 molecule of 5-phosphoribosyl-1-pyrophosphate (PRPP) catalyzed by nicotinamide phosphoribosyltransferase to produce 1 molecule of NMN and 1 molecule of pyrophosphate (PPi). In addition to nicotinamide, NMN can be generated. 1 molecule nicotinamide riboside (NR) is phosphorylated to 1 molecule NMN by nicotinamide riboside kinase (NRK).



Function and features:

1. Anti-aging, slow down the physiological decline of organisms, enhance energy metabolism, prolong life;
2. It has the effect of anti-oxidation and reducing oxidative stress;
3. Alleviate and improve ischemic heart and brain tissue damage, protect brain nerve and promote blood vessel and nerve regeneration, and have a good protective effect on the nerve damage caused by cerebral hemorrhage and cerebral hemorrhage transformation;
4. Treatment of metabolic diseases, such as type II diabetes mellitus has a certain therapeutic effect by improving islet dysfunction;
5. As a human endogenous substance, it has high safety and good thermal stability;

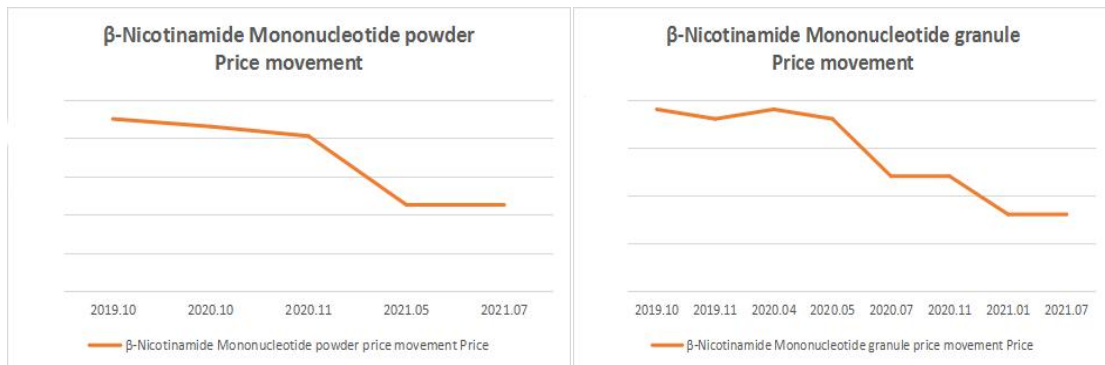


Application fields:

1. In medical care: developing drugs with NMN as the active ingredient has become a medical hotspot;
2. In foods: as an active ingredient, NMN has great development potential and broad prospects in the field of functional food.

Price trends:

In recent years, due to the gradual maturity of the process, the yield increased, the price adjustment decreased, and in a stable trend, highly competitive.



Special Products

E-Newsletter July.2021
Kangcare Bioindustry Co.,Ltd

烟酰胺单核苷酸

产品简介:

烟酰胺单核苷酸(“NMN”和“-NMN”)是一种来源于核糖和烟酰胺的核苷酸。像烟酰胺核苷一样, NMN 是烟酸的衍生物,人体有可以利用 NMN 产生烟酰胺腺嘌呤二核苷酸(NADH)的酶。



来源:

NMN 在日常食物中分布较广泛,常见的有花椰菜,西红柿,生牛肉等;它也可以经内源性

物质合成，1分子的烟酰胺和1分子的5-磷酸核糖基-1-焦磷酸（PRPP）在烟酰胺磷酸核糖转移酶催化作用下生成1分子的NMN和1分子的焦磷酸（PPi）。除烟酰胺可生成NMN之外，1分子烟酰胺核苷（NR）在烟酰胺核苷激酶（NRK）催化下磷酸化也可生成1分子NMN。



功效特性:

1. 抗衰老，减缓生物体的生理衰退，增强能量代谢，延长寿命；
2. 具有抗氧化，减少氧化应激的作用；
3. 缓解和改善缺血性心脑血管组织损伤，保护脑神经和促进血管及神经再生，对脑出血及脑出血转化造成的神经损伤均有较好的保护作用；
4. 治疗代谢性疾病，例如对II型糖尿病具有一定的治疗作用，通过改善胰岛功能障碍；
5. 作为人体内源性物质，安全性较高，且热稳定性较好；



应用领域:

1. 在医学保健方面：开发以NMN为活性成分的药物已成为一个医学热点；
2. 在食品方面：NMN作为活性成分在功能性食品领域有着很大的开发潜力和广阔前景；

价格水平:

近年来由于工艺逐渐成熟，得率提高，价格调整下降，并处于平稳趋势，极具竞争力。

