糖能科技
SUGAR ENERGY

Company profile:

Zhejiang sugar energy Technology Co., Ltd. was founded in 2017, headquartered in Ningbo, is a high-tech enterprise specializing in the design and development of new bio furan materials. The company relies on Ningbo Institute of materials, Chinese Academy of Sciences, with 32 employees, of which more than 50% of them have graduate education. The company has taken the lead in opening up the industrial production technology of 5-hydroxymethylfurfural (HMF) from thousand tons fructose in the world, and at the same time, it has built two thousand ton HMF production lines in Shandong and Zhejiang Province, which will lead the development of global HMF industry in the future.

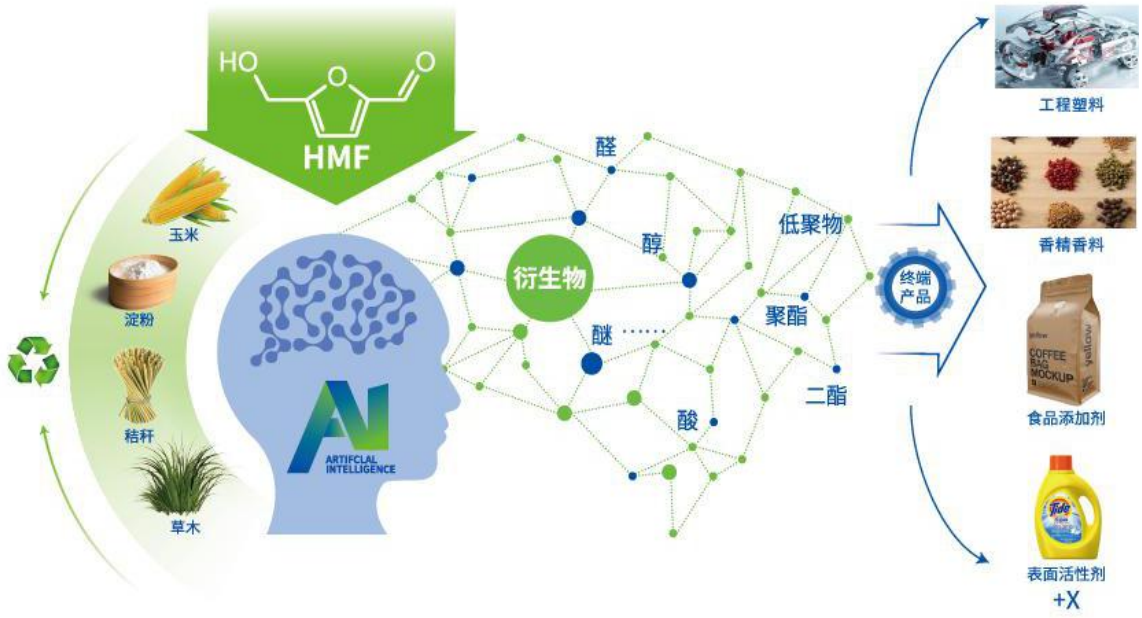
Vision and mission of sugar energy:

Vision: create a new era of green and environmental friendly new bio furan materials!

Mission: let new bio furan materials change our lives and make the world more environmentally friendly!

Strategic layout of sugar energy:

Glycoenergy company strives to become the leader in the design and development of new bio - furan materials. The platform compound with HMF as the core is used to open the whole process of raw material HMF derivative terminal product. And take technology and technology as the core, integrate the production and resources of the end market, seek partners in various market fields, and jointly develop the biological based blue sea market.



HMF is considered as the most promising bio-based platform compound. In recent years, it has been the focus of attention of the material industry. The Company innovatively applies advanced catalysis and molecular design technology to the development of HMF derivatives and end products, and uses the characteristics of "fusion derivative" of HMF platform compound to conduct reverse design and development of functional derivatives and end products with the end market's demand for "perfect products" as the target. At present, more than 10 core derivatives have been developed and end products have been developed from these derivatives, which can be widely used in degradable plastics, high-end lubricants, new polymers, pharmaceutical intermediates, fine chemicals and other fields. On 19 January 2020, the National Development and Reform Commission and the Ministry of Ecology and Environment of the People's Republic of China promulgated the Opinions on Further Strengthening the Control of Plastic Pollution, which provided policy support for the application of biodegradable materials. According to the estimate on the implementation schedule and implementation intensity of plastic ban policy in various provinces and cities, the market value of biodegradable plastics could reach RMB 100 billion by 2030.

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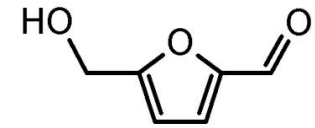
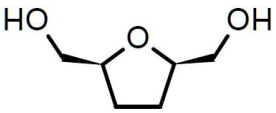


5-Hydroxymethylfurfural

CAS No.67-47-0

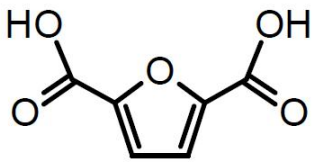
2, 5-Furandimethanol

CAS No.1883-75-6



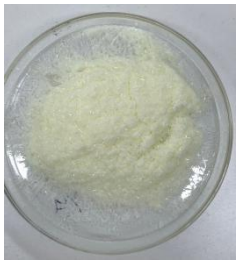
2,5-Tetrahydrofurandimethanol

CAS No.2144-40-3



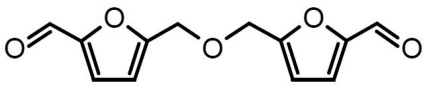
2,5-Furandicarboxylic acid

CAS No.3238-40-2



5, 5'(oxy-bis(methylene))bis-2-furfural

CAS No.7389-38-0



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