

## SINOWAY Newsletter

May, 2023

### ☆ Industry news and Sinoway Comments

#### 1. With 761 million elderly people worldwide, there is a strong demand for cardiovascular health supplements

According to the "2023 World Social Report" released by the UN DESA this year, in 2021, the global population aged 65 and over will be 761 million, and this number will increase to 1.6 billion by 2050.

With such global aging problem, the "Silver Economy" is becoming an important field of global economy. The market for heart health supplements is growing strongly, especially among older consumers.

While ingredients like CoQ10 still play a role in this market, polyphenol-rich herbs and botanicals are now making their way into the heart-health market, such as resveratrol and curcumin.

Sinoway is leading exporter of healthy aging ingredients for 30+ years, and has been focusing on products with better absorption and higher bioavailability, like nano, liposomal forms etc, with specialty technologies.

#### 2. High temperature season comes, some products price will also be increasing

The high temperature period of a year is approaching, some pharmaceutical factories in China will stop production and start facility maintenance during July and August. For some staple products (such as Chlorotetracycline etc) , main producers will agree on production in turns, and price will also increase due to limited production. Hence it is time to advance the purchase plans if there's demand for such products in 3<sup>rd</sup> and 4<sup>th</sup> quarter.

### ☆ New Technology Introduction

This month, we introduce an advanced technology: **Continuous Flow Technology**

#### Advantages of flow chemistry

Comparing with kettle reaction, continuous flow technology shows great advantages in **reaction safety, energy conversion and wastes**.

#### Self-designed devices

Sinoway is capable of handling **whole process development** for a target compound, including compound synthesis process, design, assembly and operation of continuous reaction devices.

#### Glad to inform you that our Sinoway can offer below service by flow chemistry

1. Platforms of unit reaction , nitration, chlorination, ozonolysis, oxidation , organometal reagents, thiophosgene, etc.
2. Platforms of process safety lab, photoreaction , fixed bed , asymmetric catalysis.
3. Devices design and assembly.

## Examples of developed products by flow chemistry

Product name	CAS No.	Application	Purity
(R)-3-Piperidinamine dihydrochloride	334618-23-4	Alogliptin intermediate	98%up
(R)-1-Boc-3-hydroxypyrrolidine	109431-87-0	Evocalcet intermediate	99.9%
3-Bromo-1,3,4,5-tetrahydro-2H-benzo[b]azepin-2-one	86499-96-9	Benazepril intermediate	98%up
2,4-Dichloropyrimidine	3934-20-1	Osimertinib intermediate	99%up
OCTADECANEDIOIC ACID	871-70-5	Semaglutide intermediate	98%up

Remarks: commercial production, with competitive price

Sinoway is well-prepared for receiving [CDMO projects](#) in developing and manufacturing [advanced intermediates for pharmaceuticals, dye and pesticides](#).