

**SINOWAY Newsletter****Jan., 2023****☆Market information**

1. After china canceled the quarantine regulation for oversea travelling , Sinoway has fixed to attend below 3 exhibitions with separate booth:

Apr.19~21, CPhI Japan, Sinoway boot:6A-30

Jun. 19~21, CPhI Shanghai, Sinoway booth: E1A16

Oct.24-26, CPhI Worldwide(Barcelona), Sinoway booth:3G11

2. With the shift of the world production center of API to Asia, China and India have become the major suppliers of APIs

In particular, both countries have their strengths in the production of bulk antibiotics. There is both cooperation and competition between the two countries.

According to China pharmaceutical database company “Healthoo”, they summarized top 10 items of penicillin related APIs and intermediates and cephalosporin related APIs and intermediates separately from China and India for your reference.

With the improvement of the epidemic and the gradual normalization of people's lives, the demand for antibiotics drugs is increasing, and the demand is expected to increase in the future.

**TOP 10 PENICILLIN RELATED APIS AND INTERMEDIATES EXPORT
COMPARISON FROM CHINA AND INDIA SEPARATELY
(Unit: metric ton)**

CHINA				INDIA			
PRODUCA NAME	2020	2021	2022	PRODUCA NAME	2020	2021	2022
Amoxicillin	13522	11376	7787	Amoxicillin	3475	2908	2170
6-APA	11134	11116	7062	Ampicillin	722	519	274
Penicillin G Potassium	7126	8380	4357	Cloxacillin Sodium	633	399	133
Potassium clavulanate microcrystalline cellulose	1561	1284	127	Flucloxacillin sodium	545	328	91
Ampicillin	1160	1077	704	Dicloxacillin sodium	196	153	64
procaine penicillin	902	919	643	6-APA	83	35	68
Piperacillin	419	556	358	piperacillin/tazobactam	79	66	19

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Sodium /Tazobactam Sodium							
Piperacillin Acid	505	561	223	Ampicillin Sodium	72	33	32
Sulbactam	272	280	127	Ampicillin/Sulbactam	57	12	9
Benzylpenicilline Benzathine	173	299	15	Oxacillin Sodium	32	24	6

*2022 means from Jan. To Aug. In 2022

TOP 10 CEPHALOSPORIN RELATED APIS AND INTERMEDIATES EXPORT COMPARISON FROM CHINA AND INDIA SEPARATELY (Unit: metric ton)

CHINA				INDIA			
PRODUCA NAME	2020	2021	2022	PRODUCA NAME	2020	2021	2022
Ceftriaxone sodium	1625	1557	881	GCLE	788	916	759
Ceftriaxone crude	932	1580	782	Cefuroxime Axetil	775	627	543
D-7ACA	759	1295	918	Cefixime	588	548	380
Cefalexin	502	598	571	Cefalexin	543	222	84
7-ACA	421	207	277	Cefaclor	239	236	91
Cefotaxime Sodium	264	239	204	Ceftriaxone sodium	137	181	117
cefazolin sodium	298	194	131	7-ACCA	156	68	26
cefepime	151	156	106	Cefpodoxime Proxetil	77	47	49
Cephradine	161	138	83	Cefotaxime Sodium	71	43	45
DCC	254	74	36	Cefadroxil	77	23	20

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★New Products Recommendation

This month, here we introduce a nice series product: **Eltrombopag olamine and its intermediates** .

API : Eltrombopag olamine, CAS: 496775-62-3 (*In the patent period, for R&D use only, compound patent will be expired on May 20,2023 in USA and Sep.15,2025 in Europe)

API Usage: For the treatment of (primary immunologic thrombocytopenic purpura)ITP&Aplastic Anemia.

Advantages:

1.High quality: 99%up with single impurity 0.1%below

Production under GMP condition and ICH Q7 guideline.

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**2. Advanced technology and facility**

Produced by continuous flow technology with batch size 20kg up

3. Competitive price: cheaper than from India for the same high quality.

4. Key intermediates available e.g

5. US-DMF documents available

Chemical name	CAS No.	Quality
3'-amino-2'-hydroxy-biphenyl-3-carboxylic acid	376592-93 -7 (N-4)	99.00%up by HPLC
3'-amino-2'-hydroxybiphenyl-3-carboxylic acid hydrochloride	376591-97 -8(N-3)	Single impurity: NMT 0.1%.
3-Methyl-1-(3,4-dimethylphenyl)-2-pyrazolin-5-one	18048-64- 1(N-2)	Total impurities: NMT 0.5%.
2-(3,4-Dimethylphenyl)-1,2-dihydro-5-methyl-3H-pyrazo l-3-one	277299-70 -4(N-2)	Or higher quality can be customized
Eltrombopag FREE BASE	496775-61 -2(N-1)	

*Products can only be available in the area without patent issue

Edited by: Shirley Shi

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