



GREAT PRODUCT OPPORTUNITIES

B&H Biotechnology is an international trading company specializing in the pharmaceutical and health care products, such as high-quality APIs and Intermediates for Anticoagulants, Antidepressants, Cephalosporin and Cardiovascular Drugs, the series products of Nonionic Contrast Agent and Levofloxacin, Vitamins and Amino Acids, and the series products of 5'-nucleotides, fructose-1,6-diphosphate salts and their derivatives which are widely used in dairy, food and pharmaceutical industry.

We also provide custom manufacturing services to companies and research institutes to develop and produce the new APIs and Intermediates for their own purpose.

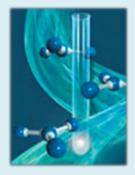
Quick response, best services and competitive prices are our mission.

We have more than 20 years of experience in international trading business and have customers in more than 30 countries and regions in the world. With highly qualified employees and professional work team, we have established broad trading network and good relationship with customers and local producers.

We provide:

APIS AND INTERMEDIATES

- APIs and Intermediates for Anticoagulants, Antidepressants and Cardiovascular Drugs
- APIs and Intermediates for Cephalosporin and Cardiovascular Drugs
- The Series of X-CT Non-Ionic Contrast Agent
- The Series of Levofloxacin
- Intermediates of Dapoxetine
- Intermediate of Oxiracetam
- Custom Manufacturing







Series of 5'-Nucleotides (NUC)

5'-nucleotides are being widely used in the industries of food, pharmaceutical, agriculture and fine chemical, especially as one kind of important infant powder milk additives.

Applications

- Used as functional food additives, and can be added to breads and biscuits, particularly in the food for babies.
- They can improve the human immunity, can enhance the ability of babies to resist bacillary dysentery effectively and can reduce the incidence rate of diarrhea.
- Used as the intermediates for nucleotide drugs.
- Used as animal feed additives.
- Used in the preparation of health foods.
- As a plant growth regulator, it can be used in agriculture to increase the yield and improve the quality of agricultural products.

Series of Fructose-1,6-Diphosphate(FDP)

FDP is an important intracellular intermediate of metabolism that controls the activities of some enzymes in glycometabolism and repairs and improves cell metabolism at the molecular level.

Applications

- Used as an intermediate for producing FDP analog medicines.
- Used in feed additives for promoting growth and improving the health of animals.
- → Used in food additives and healthy foods, replenishing the trace elements that are necessary substances for normal growth.
- → Used clinically in treatment, or adjunctive treatment, of osteoporosis and male sexual dysfunction.

α- Amylase Inhibitor (Extract From Wheat)

α-Amylase inhibitors extracted from wheat can actively against salivary and pancreas amylase which in turn cause reduction in starch digestion. It demonstrated that the wheat amylase inhibitors could reduce hyperglycemia and hyperinsulinemia in diabetic patients. Therefore they are also drug-design targets for the treatment of diabetes and digestion disorders.

Applications

It is used as drugs and health food additives for weight reduction to prevent and treat adiposity, lipomatosis, atherosclerosis, hyperlipidemia, and diabetes.

Sucralose

The majority of ingested sucralose is not broken down by the body and therefore it is non-caloric. It is approximately 600 times as sweet as sucrose (table sugar), twice as sweet as saccharin, and 3.3 times as sweet as aspartame. It is stable under heat and over a broad range of pH conditions. Therefore, it can be used in baking or in products that require a longer shelf life. The commercial success of sucralose-based products stems from its favorable comparison to other low-calorie sweeteners in terms of taste, stability, and safety.

VITAMINES AND AMINO ACIDS

Contact: Melanie Zhou, General Manager

Tel: +86-25-86272385, Fax: +86-25-86272759,

Email: melanie@bhbiotech.com, melaniezxn@live.cn



B&H Biotechnology Co. Ltd.

Unit 3401-2, 34th Floor, AIA Tower,183 Electric Road, North Point, Hong Kong. Company registr No:1024227 Tel: +852-3528 0290, Fax: +852-2887 2054

China office: Tel: +86-25-86272385, Fax: +86-25-86272759

Email: melanie@bhbiotech.com, melaniezxn@live.cn

Address: Room 602, Unit A, Hong Pu Jie Zuo, No 186, Middle Jiang Dong Road,
Nanjing City, Jiangsu Province, PRC

PRODUCT LIST

FUNCTIONAL FOOD INGREDIENTS

The Series of 5'- Nucleotides and Fructose-1,6-Diphosphate (FDP)

Products		CAS No.	EC(EINECS) No.	Purity (%)
5'-AMP	Adenosine 5'-monophosphoric acid	61-19-8	200-500-0	≥98.0
5'-AMP Na2	Adenosine 5'-monophosphoric disodium salt	4578-31-8	224-961-2	≥98.0
5'-CMP	Cytidine 5'-monophosphate acid	63-37-6	200-556-6	≥98.0
5'-CMP Na2	Cytidine 5'-monophosphoric disodium salt	6757-06-8	229-819-3	≥98.0
5'-UMP Na2	Uridine 5'-monophosphoric disodium salt	3387-36-8	222-211-9	≥98.0
5'-GMP Na2	Guanosine 5'-monophosphate disodium salt	5550-12-9	226-914-1	≥98.0
AR	Adenosine	58-61-7	200-389-9	99.0~101.0
CR	Cytidine	65-46-3	1	≥99.0
ATP	Adenosine 5'-triphosphoric disodium salt	987-65-5	1	≥95.0
Camp	Adenosine 3',5'-cyclic monophosphate	60-92-4	200-492-9	97.0~103.0
CDP Na2	Cytidine-5'-diphosphate disodium salt	54394-90-0	1	≥98.0
FDP Na3	D-Fructose-1,6-bisphosphate trisodium salt	38099-82-0	253-778-0	≥98.0
FDP Ca	D-Fructose 1,6-bisphosphate calcium salt	103213-33-8	1	≥98.0
FDP Ca2	D-Fructose 1,6-bisphosphate dicalcium salt	6055-82-9	227-979-9	≥98.0
FDP Mg	D-Fructose 1,6-bisphosphate magnesium salt	1	1	≥98.0

APIS AND INTERMEDIATES

APIs and Intermediates for Anticoagulants, Antidepressants and Cardiovascular Drugs

→ APIs

Product Name	CAS NO.	Specification	Applications
Ticlopidine Hcl	53885-35-1	EP, BP, JP	Anticoagulant
Clopidogrel Bisulfate	120202-66-6	USP	Anticoagulant
Mirtazapine	61337-67-5	EP, USP	Antidepressant
Duloxetine Hcl	136434-34-9	IHS	Antidepressant
Ranolazine	95635-55-5	IHS	Antiangina

→ INTERMEDIATES

Product Name	CAS NO	Purity	Application
2-Thiophene Ethanol	5402-55-1	99.0%	Clopidogrel
			Ticlopidine
2-Thiophene Ethylamine	30433-91-1	99.0%	Clopidogrel
4,5,6,7-tetrahydrothieno[3,2-C]pyridine Hcl	28783-41-7	99.0%	Clopidogrel
α-Bromo-2-chlorophenylacetic acid	141109-25-3	99.0%	Clopidogrel
D-(+)-Methyl-alpha-(2-Thienylethamino)(2-Chlorophe	141109-19-5	99.0%	Clopidogrel
nyl)acetate Hydrochloride			
1-Methyl-3-Phenylpiperazine	5271-27-2	99.0%	Mirtazapine
1-(3-Hydroxymethylpyridin-2-yl)-4-methyl-2-phenylpi	61337-89-1	99.0%	Mirtazapine
perazine			
S-(-)-N,N-dimethyl-3-Hydroxy-3-(2-thienyl)	132335-44-5	98%-102%	Duloxetine
propanamine			
S-(+)-N,N-dimethyl-3-(1-naphthalenyloxy)-3-(2-thienyl	132335-47-8	99.0%	Duloxetine
)-propanamine oxalate			
3,4-Dimethoxy Phenylacetonitrile	93-17-4	99%	Verapamil
			Bevantolol
3,4-Dimethoxy Phenylethylamine	120-20-7	98%	Verapamil
			Bevantolol
3,4-Dimethoxy Phenyl acetic acid	93-40-3	99%	
5,6,7,7a-tetrahydrothieno[3,2-C]pyridine-2(4H)-one	115473-15-9	98%	Prasugrel
Hydrochloride			
5,6,7,7a-Tetrahydrothieno[3,2-c]pyridine-2(4H)-one	178688-49-8	98%	Prasugrel
para-toluenesulfonic acid salt			
2-Bromo-2-(2-fluorophenyl)-1-cyclopropylethanone	204205-33-4	98%	Prasugrel
2-Thiophene Carboxaldehyde	98-03-3	99%	
2-Acetyl Thiophene	88-15-3	99%	Tiemonium
2-Bromothiophene	1003-09-4	99%	
2-Thiophene Methanol	636-72-6	99%	
2-Thiopheneacetyl Chloride	39098-97-0	99%	
2-Thiopheneacetic Acid	1918-77-0	99%	
2-Thiophene Methylamine	27757-85-3	99%	

6,7-Dimethoxy-1,2,3,4-tetrahydroisoquinoline	2328-12-3	99.0%	
hydrochloride			
Methylene Dioxy Benzene	274-09-9	99.0%	
3,4-Methylene Dioxy Aniline	14268-66-7	99%	

APIs and Intermediates for Cephalosporin and Cardiovascular Drugs

→ APIs

Product Name	Executive	Package Size	Applications
	Standard		
Mycophenolate Mofetil	YBH36062005	5.0, 10, 25kg	Immunosuppressor drug
Propiverine	WS-(X-088)-2004Z	1.0, 5.0,10, 25kg	urinary tract Antispasmodic drug
Hydrochloride			
Ganciclovir	CHP2005	1.0, 5.0, 10, 25kg	Anti-virus drug

→ INTERMEDIATES

Product Name	CAS NO	Purity	Application
5-Ethylthio-1H-Tetrazole	89797-68-2	≥98%	Pharmaceutical and pesticide
			intermediates, RNA active
			agent,protective agent of DNA
			synthesis
5-Benzylthio-1H-Tetrazole	21871-47-6	≥98.5%	Intermediate of Cephalosporin
			drugs, 2-O-TBDMS activator of
			RNA synthesis
1-methyl-5-mercapto-1H-tetrazole (MMTZ)	13183-79-4	≥ 99%	intermediate of cefoperazone,
			cefeminox, cefmenoxime,
			Cefpiramide, 7-MAC etc.
Sodium Azide	26628-22-8	≥99%;	Intermediate of TAA and some
		99.5%	other pharmaceuticals, also for
			making safe air-bag
1,1,3,3-Tetramethylguanidine (TMG)	1	1	1
5-mercapto-1,2,3,4-tetrazole methyl	66242-82-8	1	cefonicid
sulfonic acid disodium salt (SMT-DS)			
1H-tetrazol-5-ethyl formate (ETC)	55408-10-1	≥ 98%	For anti-depressants and asthma
			drugs

1-(2-Dimethylaminoethyl)-5-Mercapto-1,2,	61607-68-9	≥ 98%	Cefotiam
3,4-Tetrazole (DMMT)			
2-(2-Formylaminothiazol-4-yl) acetic acid	75890-68-5	≥ 98%	Cefotiam
(NF-ATAA)			
Ethyl 2-(2-aminothiazol-4-yl) acetate	53266-94-7	≥ 98%	Cefotiam
(EATA)			
2-(2-Aminothiazol-4-yl) acetic acid,	86299-46-9	≥ 98%	Cefotiam
hydrochloride (ATAA.HCL)			
Cefuroxime Acid	65238-63-2	≥ 99%	Cefuroxime
2-(2-Aminothiazole-4-yl)-2-[2-(tertbutoxyc	86299-46-9	≥ 98%	Ceftazidime
arbonyl)isopropoxyimino]acetic acid			
(AT-TBA)			
Ethyl (Z)-2-(2-aminothiazol-4-yl)-2-	64485-82-1	≥ 99%	Ceftazidime, cefdinir
hydroxyiminoacetate (EHATA)			
S-2-benzothiazolyl-(2)-2-(1-terbatoxycanb	158183-05-2	≥ 98%	Ceftazidime
onyl-1-methylethoxyimino)-4-thiazole			
acetate (TAEM)			
1H-Tetrazolyl-1-Acetic Acid (TAA)	21732-17-2	≥ 99%	cefazolin
(Z-2-Methoxyimino-2-(furyl-2-yl)acetic	97148-39-5	≥ 99%	Cefuroxim
acid, ammonium salt (SMIA)			
Methoxyamine Hydrochloride (OMHA)	593-56-6	≥ 99%	Cefuroxim and bactericide

The Series of X-CT Non-Ionic Contrast Agent

Product Name	CAS NO	Purity	Standard		
lohexol	66108-95-0	98.0-102.0%	USP30-NF25		
5-(Acetyl amino) N,N'-	1	≥95.0%	In-house standard		
bis(2,3-dihydroxypropyl)	bis(2,3-dihydroxypropyl)				
-2,4,6-triiodo-1,3-benzenedicarboxamide					
5-Amino	76801-93-9	≥98.0%	In-house standard		
N,N'-bis(2,3-dihydroxypropyl)-2,4,6-triiod	N,N'-bis(2,3-dihydroxypropyl)-2,4,6-triiod				
0-					
1,3-benzenedicarboxamide					

loversol	87771-40-2	97.0-101.0%	USP30-NF25
lopamidol	60166-93-0	98.0~101.0%	USP30-NF25
lopromide	73334-07-3	97.0%-102.5%	USP30-NF25
lodixanol	92339-11-2	98.6%~	Current SP31
		101.0%	
Iomeprol	60166-93-0	98.0~101.0%	USP30-NF25
Gadobenate Dimeglumine	73334-07-3	97.0%-102.5%	USP30-NF25

The Series of Levofloxacin

Product Name	CAS NO	Purity	Standard
Levofloxacin	100986-85-4	≥98.5%	In-house standard
Levofloxacin Hydrochloride	1	≥89.5%	National Standard
Levofloxacin acid ester	1	≥99.0%	In-house standard
Levofloxacin acid	100986-89-8	≥99.0%	In-house Standard
Pazufloxacin	127045-41-4	≥99.0%	In-house standard
Pazufloxacin Mesylate	163680-77-1	C ₁₆ H ₁₅ FN ₂ O ₄ ≥75.7%	National Standard
		CH ₄ SO ₃ between	
		22.0% to 24.4%	

Intermediate Of Dapoxetine

3-(1-Naphthyl)phenylpropanonMolecular formula: C19H16O2Molecular Weight: 276.00

Purity: 90% Min

Appearance: Yellow oily liquid

2 3-(1-naphthyl)phenylpropylamine hydrochloride

Molecular Formula: C19H19NO.HCL

Molecular Weight: 313.50

Purity: 99% Min

Appearance: White powder crystal

3 N,N-dimethyl-3-(1-naphthyl)phenylpropylamine hydrochlori

Molecular Formula: C21H23NO.HCL

Molecular Formula:341.50

Purity: 99% Min

Appearance: White powder crystal

Intermediate of Oxiracetam

1 4-HYDROXY-2-OXO-PYRROLIDINEACETAMIDE

Molecular Formula: C6H10N2O3

Molecular Weight: 158.16

Purity: 99.9% Min

Appreance: White powder crystal

Melt Point: 165-168℃

Other Products

→ 1,1-Crclohexane Diacetic Acid 99% Min

- → 1h-Tetrazole-5-Ethyl Formate(Etc)
- → 2-Chloro Methyl-3,4-Dimethoxy Pyrine Hcl
- → 4-(3,4-Dichlorophenyl)-1-Tetralone
- → 5-Difluoro Methoxy-2-Mercapto Benzimidazole
- → 6-Methoxy-2-Bromonaphthalene
- 6-Methoxy-2-Naphthaldehyde
- 6-Methoy-2-Acetyl-Naphthalene
- 8-Hydroxyquine
- Amantadine Hydrochloride Cpv 2005
- Bronopol(2-Bromo-2-Nitro-1,3-Propanedio1)
- Caronic Anhydride 99%
- D-Biotin Usp
- Estrdiol Benzoate
- Glutaraldehyde 50%
- Inositol Nf
- Lincomycin Hcl Bp
- → Rutin Nf12
- Spectinomycin Hcl
- Spectinomycin Sulfate
- Spiramycin Ep3
- Vancomycin Hcl
- Yara Yara(2-Methoxynaphthalene)
- A- Chymotrypsin

VITAMINES AND AMINO ACIDS

- → Vitamin B12 BP
- → Vitamin D3 HIGH Purity Resinoid BP/USP
- → Vitamin K3 USP
- → L-Leucine
- → L-Valine
- → DL-Serine
- → D-Serine

CUSTOM MANUFACTURING

With the close cooperation with local producers and research institutes, we also provide custom manufacturing services to customers to develop and produce the new APIs and Intermediates.

