



B&H BIOTECHNOLOGY CO., LTD.

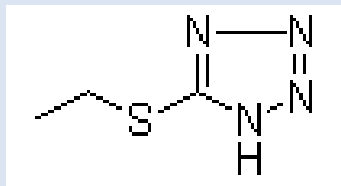
必致生物科技有限公司



Detailed Information of APIs And Intermediates for Cephalosporin and Cardiovascular Drugs

1 5-Ethylthio-1H-Tetrazole

Structure Formula:



CAS NO.: 89797-68-2

Appearance: White crystals

Assay: ≥98%

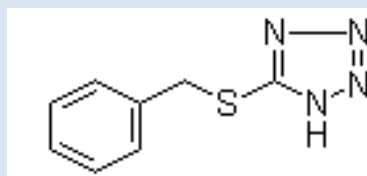
Moisture: ≤0.5%

Melting Point: 84-88°C

Use: Medicine, pesticide intermediates and for the synthesis of DNA and RNA active agent of the protective gene activity.
customized product

2 5-Benzylthio-1H-Tetrazole

Structure Formula:



CAS NO.: 21871-47-6

Appearance: White granulated crystals

Assay: ≥98.5%

Moisture: ≤0.1%

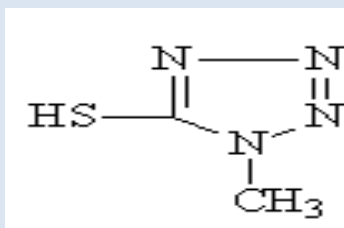
Melting Point: 135-138°C

Use: Cephalosporin drugs for the synthesis of RNA synthesis is as 2-O-TBDMS activator.
customized product

3 1-methyl-5-mercapto-1H-tetrazole (MMTZ)

By name: 1-methyl-1H-tetrazole-5-thiol; 1-methyl-5-mercapto-1,2,3,4-tetrazole

structure Formula:



intermediate for making cefoperazone, cefeminox, cefmenoxime, Cefpiramide, 7-MAC
etc.

CAS: 13183-79-4

Assay: $\geq 99\%$

Water: $\leq 0.3\%$

Melting point: 124~136°C

Package: 25kg fiber drum

4 Sodium Azide

By name: DDHN

Molecular: NaN_3

CAS NO.: 26628-22-8

Usage: Intermediate of TAA and some other pharmaceuticals

Assay: $\geq 99\%$; 99.5%

Free alkali : $\leq 0.2\%$

LOD: $\leq 0.2\%$

Package: 25kg fiber drum or on demand

5 Intermediate of Cefuroxime acid (DCC)

Packing: 25kg/drum

Packing Spec: 35x44cm

Gross Weight: 28kg

6 1,1,3,3-Tetramethylguanidine (TMG)

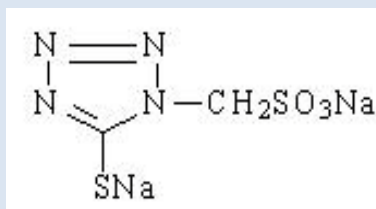
Packing: 25kg/drum

Packing Spec. : 56.7cm x 90cm

7 5-mercapto-1,2,3,4-tetrazole methyl sulfonic acid disodium salt (SMT-DS)

By name: SMT-DS

Structure Formula:



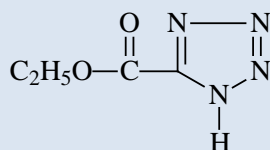
a side chain of cefonicid

CAS NO.: 66242-82-8

8 1H-tetrazol-5-ethyl formate (ETC) **BEST SELLER**

By name: ETC

Structure Formula:



CAS NO.: 55408-10-1

Usage: Intermediate of Pranlukast

Package: 25kgs fiber drum (35cmx44cm)

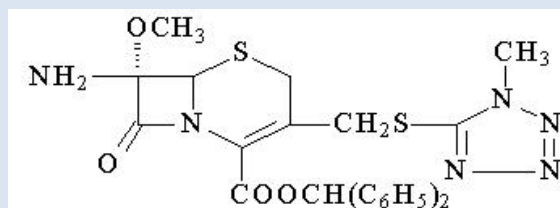
Manufacture capacity: 5MT/mon. Build-to-Order

Quality specification:

ITEMS	SPECIFICATIONS
Description	White crystal
Assay	≥98%
Purity	≥99%
Water (K.F)	≤1.0%
Loss on drying	≤1.0%
Melting point	88.0~93.0°C
Individual impurity	≤0.5%

9 7-MAC

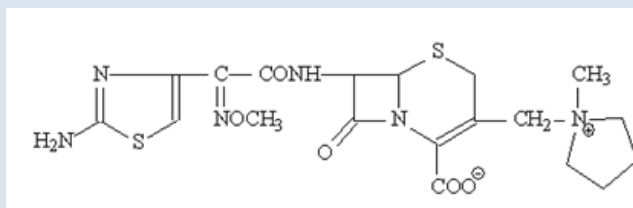
Structure Formula:



a parent nucleus for cefeminox, cefmetazole, cefoperazone, cefotetan

10 Cefepime

Structure Formula:

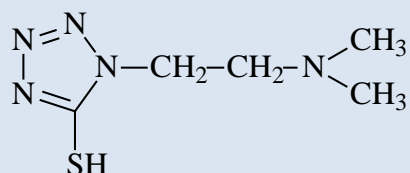


CAS NO.: 88040-23-7

11 1-(2-Dimethylaminoethyl)-5-Mercapto-1,2,3,4-Tetrazole (DMMT) **BEST SELLER**

By name: DMMT

Structure Formula:



CAS NO.: 61607-68-9

Package: 25kgs fiber drum (35cm×44cm)

Manufacture capacity: 2MT/mon. Build-to-Order

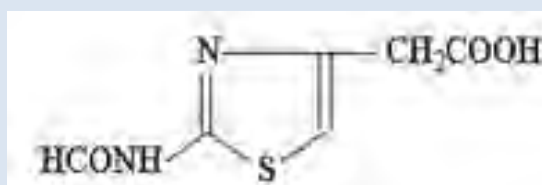
Usage: Intermediate of Cefotiam

Quality capacity:

ITEMS	SPECIFICATIONS
Description	Off white crystalline powder
Assay	≥99%
Water (K.F)	≤0.50%

12 2-(2-Formylaminothiazol-4-yl) acetic acid (NF-ATAA) **BEST SELLER**

Structure Formula:



CAS NO.: 75890-68-5

Assay : ≥ 98%

Water: ≤0.5%

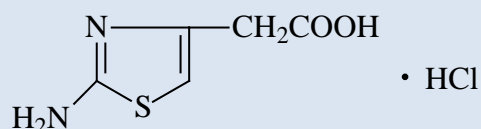
Packaging: 40kgs fiber drum

Usage: intermediates for Cefotiam

13 2-(2-Aminothiazol-4-yl) acetic acid, hydrochloride (ATAA.HCL) BEST SELLER

By name: ATAA.HCl

Structure Formula:



CAS NO.: 66659-20-9

Usage: Intermediate of Cefotiam

Package: 25kgs fiber drum (35cmx44cm)

Manufacture capacity: 8MT/mon. Build-to-Order

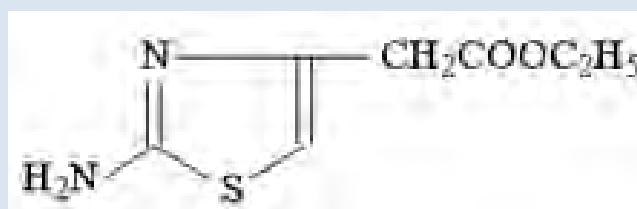
Quality specification:

ITEMS	SPECIFICATIONS
Description	Off white crystalline powder
Assay	≥98%
Water (K.F)	≤0.50%

14 Ethyl 2-(2-aminothiazol-4-yl) acetate (EATA)

CAS NO.: 53266-94-7

Structure Formula:



Assay : ≥ 98%

Moisture: ≤0.5%

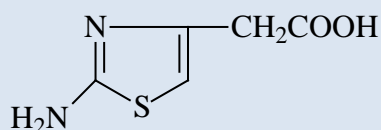
Packaging: 25kgs fiber drum

Usage: intermediates for Cefotiam

15 2-(2-Aminothiazol-4-yl) acetic acid (ATAA)

By name: ATAA

Structure Formula:



CAS NO.: 29676-71-9

Usage: Intermediate of Cefotiam

Package: 25kgs fiber drum (35cm×44cm)

Manufacture capacity: 5MT/mon. Build-to-Order

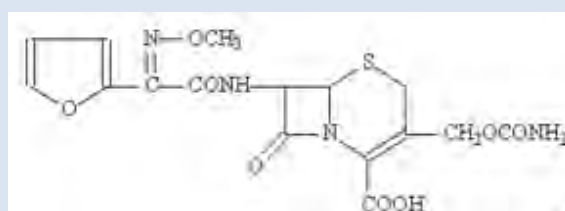
Quality specification:

ITEMS	SPECIFICATIONS
Description	Off white crystalline powder
Assay	≥98%
Water (K.F)	≤0.50%

16 Cefuroxime Acid

CAS NO: 65238-63-2

Structure Formula:



Assay: ≥ 99%

Water: ≤1.0%

Optical rotation: +63°~+67°

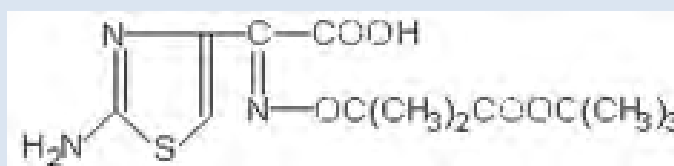
Packaging: 25kgs fiber drum

Usage: Intermediate for cefuroxime Acid

17 2-(2-Aminothiazole-4-yl)-2-[2-(tertbutoxycarbonyl)isopropoxyimino]acetic acid (AT-TBA)

By name:AT-TBA

Structure Formula:



CAS NO.: 86299-46-9

Purity: ≥ 98%

Water: ≤0.5%

Melting point: ≥170°C

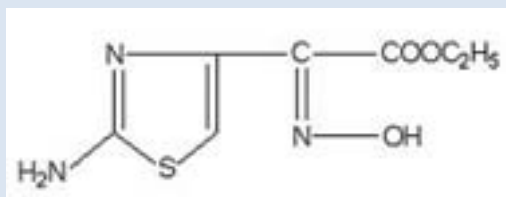
Package: 20kgs fiber drum

Usage: intermediate for BPTA

18 Ethyl (Z)-2-(2-aminothiazol-4-yl)-2- hydroxyiminoacetate (EHATA)

By name: EHATA

Structure Formula:



CAS NO.: 64485-82-1

Assay: $\geq 99\%$

Water: $\leq 0.5\%$

Packaging: 25kgs fiber drum

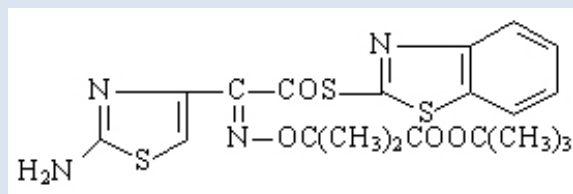
Usage: intermediate for Ceftazidime, cefdinir

19 S-2-benzothiazolyl-(2)-2-(1-terbatoxycarbonyl-1-methylethoxyimino)-4-thiazole acetate (TAEM)

By name: TAEM

CAS NO.: 158183-05-2

Structure Formula:



Purity: $\geq 98\%$

Water: $\leq 0.3\%$

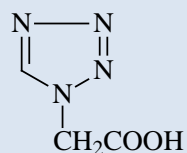
Packaging: 20kgs fiber drum

Usage: intermediate for Ceftazidime

20 1H-Tetrazolyl-1-Acetic Acid (TAA) -BEST SELLER

By name: TAA

Structure Formula:



CAS NO.: 21732-17-2

Package: 25kgs fiber drum (35cm x 44cm)

Manufacture capacity: 20MT/mon.

Usage: intermediate for Cefazolin

Quality specification:

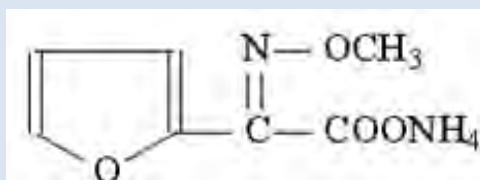
ITEMS	SPECIFICATIONS
Description	Off white crystalline powder
Purity	≥99%
Melting point	128.0~131.0°C
Water (K.F)	≤0.20%
Heavy metal	≤10ppm
Iron	≤10ppm
Absorbance	≤0.005
Clarity	Bright and clear

21 (Z)-2-Methoxyimino-2-(furyl-2-yl)acetic acid, ammonium salt (SMIA)

By Name: SMIA

CAS NO.: 97148-39-5

Structure Formula:



Assay : ≥ 99%

Moisture : ≤0.5%

Packaging: 25kgs fiber drum

Usage: intermediate for Cefuroxime

22 Methoxyamine Hydrochloride (OMHA)

By Name: O-Methylhydroxyamine Hydrochloride

CAS NO.: 593-56-6

Structure:

$\text{CH}_3\text{O}-\text{NH}_2\cdot\text{HCL}$

Assay: ≥ 99%

Moisture: ≤0.5%

Melting Point: 148~152°C

Packaging: 25kgs fiber drum

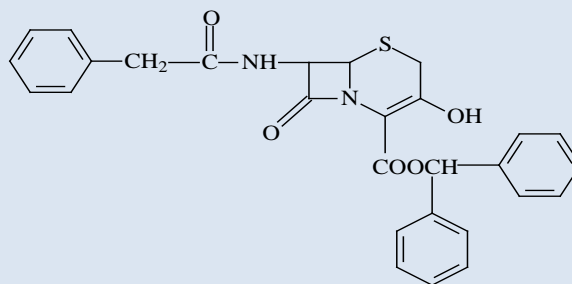
Usage: intermediate for Cefuroxime and bactericide

23 Product name: 3- OH BEST SELLER

Chemical name: 7-Phenyl acetylamino-3-hydroxy-3-cephemyclo-4-carboxylic acid
diphenyl methyl ester

Formula: $C_{28}H_{24}N_2O_5S$

Structure Formula:



CAS NO.: 54639-48-4

Package: 25kgs fiber drum(35cm×44cm)

Usage: Intermediate of several 3rd generation cephalosporins, such as Ceftizoxime, Cefitbuten and Cefroxadine

Manufacture capacity: 8 MT/mon.

Quality specification:

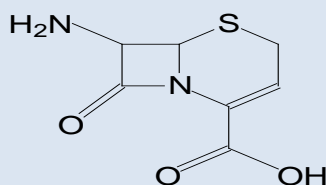
ITEMS	SPECIFICATIONS
Description	White or Off-white crystalline powder
Identification	IR NMR
Assay (HPLC)	≥99.0%
Water (K.F)	≤1.0%

24 Product name: 7-ANCA **BEST SELLER**

Chemical name: 7-Amino-3-nor-3-cephem-4-carboxylic acid;

Formula: $C_7H_8N_2O_3S$

Structure Formula:



CAS NO.: 36923-17-8

Package: 25kgs fiber drum(35cm×44cm)

Manufacture capacity: 1 MT/mon

Usage: Parent nucleus of several 3rd generation cephalosporins, such as Ceftizoxime, Cefitbuten

Quality specification:

ITEMS	SPECIFICATIONS
Description	White or Off-white crystalline powder
Identification	IR NMR
Assay (HPLC)	≥98.0%
Water (K.F)	≤1.0%
Transmittance	≥90.0%

Contact:

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