



“The Chemistry We Serve”



“The Chemistry We Serve”

兰亚化工
LANYA CHEMICAL

NANJING LANYA CHEMICAL CO.,LTD.
LANYA CHEM INDUSTRIES PVT.LTD.
LANYA CHEMICAL EUROPE GMBH.

NANJING LANYA CHEMICAL CO., LTD.

Add. 11/F, Suning Universal Mansion, 188
Guangzhou Road, Nanjing, China
Tel: +86 25 83315620
Fax: +86 25 83315629
Email: info@lanyachem.com
Webset: www.lanyachem.com

LANYA CHEM INDUSTRIES PVT. LTD.

Add. Unit No.408, 4th Floor, Centrum Plaza,
Golf Course Road, Gurugram, Haryana, 1220
22, India
Tel: +91 124-4106027
Email: enquiry@lanyachemindia.com
Webset: www.lanyachem.in

LANYA CHEMICAL EUROPE GMBH

Add. Lütticher Str. 132, 40547, Düsseldorf,
Germany
Tel: +49 211 53670686
Fax: +49 211 53673119
Email: info@lanyachem.com
Webset: www.lanyachem.de



Nanjing Lanya Chemical Co., Ltd. was established in 2007, as ISO 9001:2015 certified company, our company is specialized in production, R&D and sales of pharmaceutical intermediates, APIs and food additives, such as pharmaceutical silanes, lactate salt, gluconate salt, MSM and other related products. Taking the advantage of the low raw material cost, professional team and high efficient management, we can bring customer the low price and high quality product, and we also provide CMO and CDMO services.

For overseas market, in order to provide better technical support and distribution service to the customers, shorten the delivery time and reduce the cost of purchase for the customer, we establish Indian branch office and prepare stock in Mumbai warehouse in 2016. Then we establish Europe branch office and prepare stock in Rotterdam warehouse in 2019. Together with the comprehensive technical service, to support our customer to produce the products with high quality and competitive price.



SALES TEAM

Lanya Chemical has a young and energetic sales team, widely service for the local enterprises. Sales team member has good professional background on fine chemicals and new industry, strictly trained on the technology, is a trust-based technical sales team. Sales team works closely with the customer, engaged in providing high value added products and service for the customer, creating value for the customer and making continuous development with the customer.

PRODUCTION TEAM

Lanya Chemical does not only have advanced technology group and experienced production management, but also can guarantee the products are released after strict quality control before arriving at the customer. Now Lanya Chemical has skilled production staff and experienced on-site management, to ensure the products supplied to our customer are on the top grade.



R&D TEAM

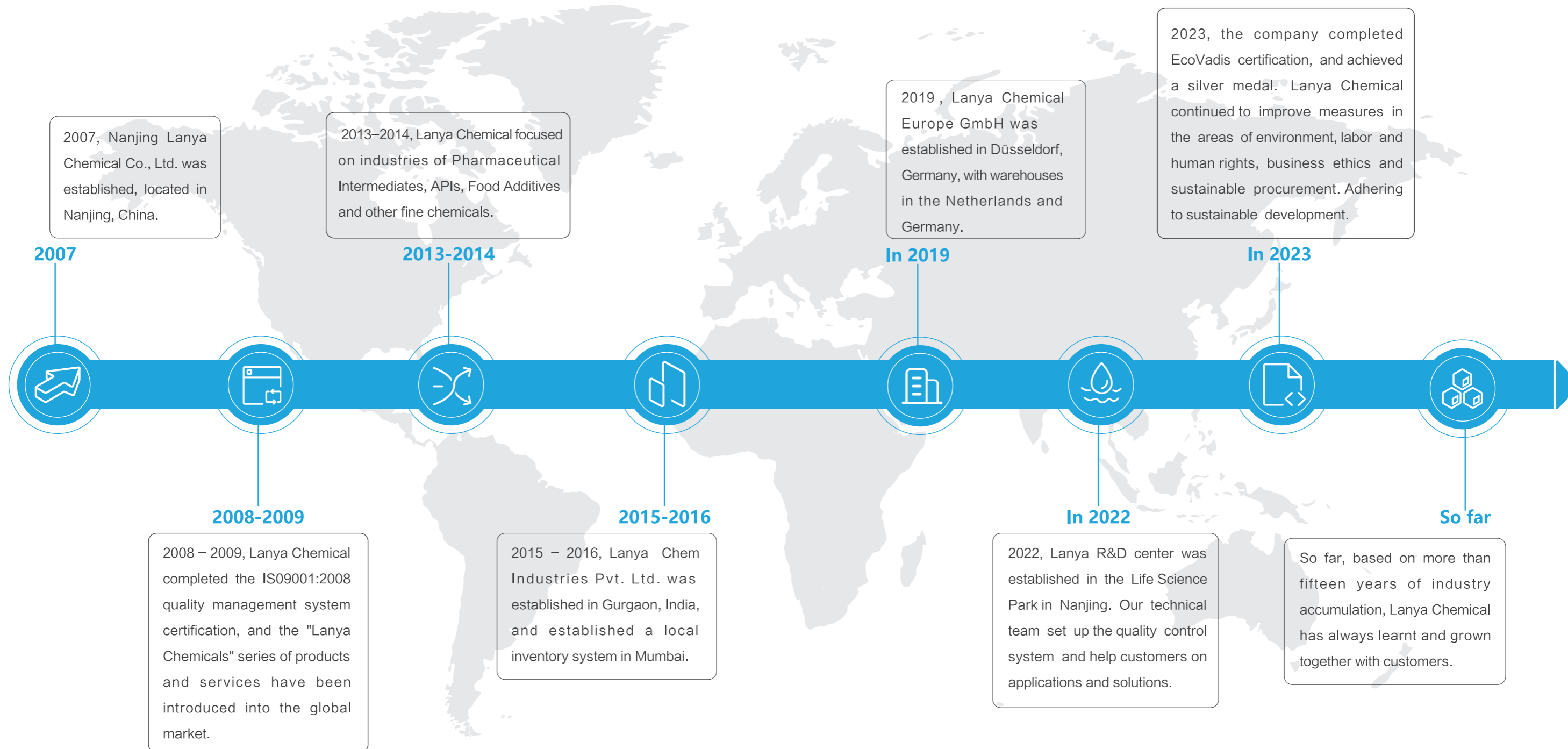
Based on the advantages of our R&D Centre, in order to guarantee the stability of the product quality and continues developing new products conforming to the plastic industry trend, Lanya Chemical is always concentrating on the investment of the R&D. Our R&D team continuously follow up the production process and quality, continuously provide their suggestions on the improvement and engaged in developing new products to create more value for the customers.

APPLICATION TEAM

Lanya Chemical's application team is always ready to communicate with the customers deeply, understand the currently exist issues or demand of the customer, so that they can share the perfect technology solutions. Cooperate with the sales team to investigate the customer's requirement, optimize the technology process of the usage, and expand the application field of the product, in order to create more added values for the customer.



COMPANY HISTORY 公司历程



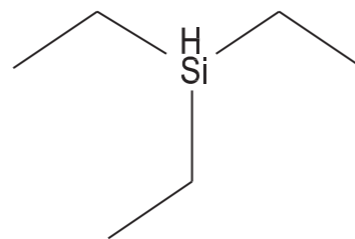
PHARMACEUTICAL USE: YAC-TES

Triethylsilane

Brand Name: YAC-TES

Physical properties:

CAS No.	617-86-7
EINECS No.	210-535-3
Molecular Weight	116.28



Specifications:

Appearance	Colorless transparent liquid
Assay	≥99.0%
Moisture	≤0.20%

Application:

1. YAC-TES has multifunctional reducing agents; It is used to study the reduction reaction of 2-chromogenic anols. Trialkylsilane hydride, which is used to synthesize alkyl silanes through the silylation of olefin, is cis-selective with TES. Synthesizing a Nav1.7 spiroindole blocker for pain treatment.
2. YAC-TES is a reagent for the regioselective desulfation of polysaccharide sulfates. Also used to prepare trimethylsilyl ethers of carbohydrates and alcohols.
3. YAC-TES is a neutral silanized protective agent, and BSA products are important medical intermediates, mainly used in the production of synthetic spirocephalic antibiotics.

Packing& Storage:

- > 140Kg Drum.
- > Flammable liquid, UN1993 3/PG II
- > Store in cool place. Keep container tightly closed in a dry and well-ventilated place. Store under inert gas. Moisture sensitive. Handle and store under inert gas.

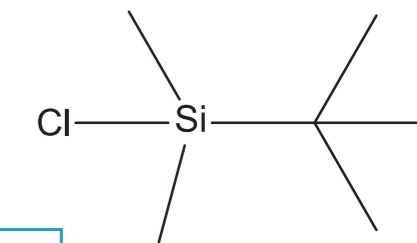
PHARMACEUTICAL USE: YAC-TBDMSC

Tert-Butyldimethylsilyl chloride

Brand Name: YAC-TBDMSC

Physical properties:

CAS No.	18162-48-6
EINECS No.	242-042-4
Molecular Weight	150.72



Specifications:

Appearance	White crystal
Assay	≥99.0%
Ash content	≤0.2%
Silanol	1.3735-1.3940

Application:

1. YAC-TBDMSC is used to synthesize prostaglandins, some antibiotics, and the lipid-lowering drugs lovastatin and simvastatin.
2. YAC-TBDMSC is used in drug intermediates and organic synthesis. It is a steric silicone protective agent, widely used in synthesis of active drug. It is used in the synthesis of ribonucleoside as a protective group of hydroxyl, as well as an oxidant and decyanator.
3. YAC-TBDMSC is a silanizing agent that protects tertiary alcohols. It reacts with alcohols to form silane.

Packing& Storage:

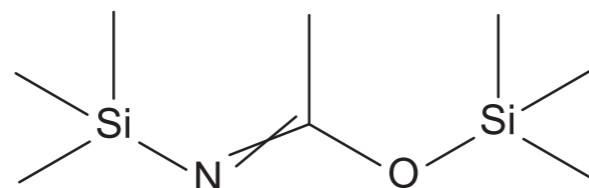
- > 20Kg Drum.
- > Flammable solids, corrosive, organic, UN2925 4.1+8/PG II
- > Keep away from open flames, hot surfaces and sources of ignition. Keep container tightly closed.

PHARMACEUTICAL USE: YAC-BSA

N,O-Bis(trimethylsilyl)acetamide

Brand Name: YAC-BSA

Physical properties:



CAS No.	10416-59-8
EINECS No.	233-892-7
Molecular Weight	203.43

Specifications:

Appearance	Colorless to yellowish transparent liquid
Purity	≥98.0%

Application:

1. YAC-BSA is a derivatization reagent for GC-MS analysis of phenolic acids in fruits.
2. YAC-BSA is a reagent for the regioselective desulfation of polysaccharide sulfates. Also used to prepare trimethylsilyl ethers of carbohydrates and alcohols.
3. YAC-BSA is a neutral silanized protective agent, and BSA products are important medical intermediates, mainly used in the production of synthetic spirocephalic antibiotics.

Packing& Storage:

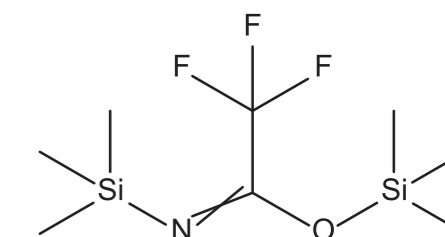
- > 160Kg Drum.
- > Corrosive liquid, Flammable, UN2920 8+3/PG II
- > Keep away from open flames, hot surfaces and sources of ignition. Keep container tightly closed.

PHARMACEUTICAL USE: YAC-BSTFA

Bis(trimethylsilyl)trifluoroacetamide

Brand Name: YAC-BSTFA

Physical properties:



CAS No.	25561-30-2
EINECS No.	247-103-9
Molecular Weight	257.4

Specifications:

Appearance	Colorless to light yellow transparent liquid
Purity	≥ 98.0%

Application:

1. YAC-BSTFA is an important pharmaceutical intermediate, which can reduce the polarity of hydroxy-containing compounds, increase their volatility, and make samples more suitable for GC analysis.
2. YAC-BSTFA is mainly used as a neutral silanizing reagent in the silanizing protection of amino, amino Chemicalbook acid, phenol, carboxylic acid and enol. As a mild neutral silanizing reagent, it not only has high reactivity and good selectivity, but also has the advantages of high reaction yield and simple post-treatment.

Packing& Storage:

- > 140Kg Drum.
- > Flammable liquid, corrosive, UN2924 3+8 /PG III
- > Store in cool place. Keep container tightly closed in a dry and well-ventilated place. Store under inert gas. Moisture sensitive. Handle and store under inert gas. Hydrolyses readily.

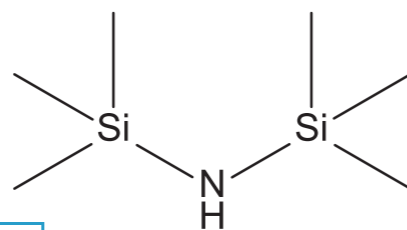
PHARMACEUTICAL USE: YAC-HMDS

Hexamethyldisilazane

Brand Name: YAC-HMDS

Physical properties:

CAS No.	999-97-3
EINECS No.	213-668-5
Molecular Weight	161.39



Specifications:

Appearance	Clear colorless liquid
Hexamethyldisilazane	≥99.0%
Hexamethyldisilicate ether	≤0.5%
Trimethylsilyl	≤0.25%

Application:

1. YAC-HMDS can be exchanged with chlorosilane monomer by chlorine to obtain polysilane. Compared with direct ammonia method, synthesis has great advantages.
2. YAC-HMDS is amikacin medicinal intermediate, is the hydroxyl and amino protective agent.
3. YAC-HMDS is used as a silanizing reagent and can be used in the production of cilamkanamycin.
4. YAC-HMDS can also be used in the production of rubber, alkaline silanizing protectants, inorganic filler primer.

Packing& Storage:

- > 150Kg Drum.
- > Flammable liquid, toxic, corrosive, UN3286 3+6.1+8/PG II
- > Store under nitrogen. Keep container tightly closed in a dry and well-ventilated place. Keep away from heat and sources of ignition.

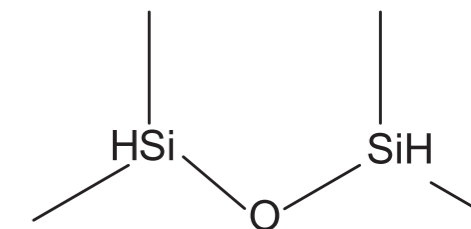
PHARMACEUTICAL USE: YAC-HMM

1,1,3,3-Tetramethyldisiloxane

Brand Name: YAC-HMM

Physical properties:

CAS No.	3277-26-7
EINECS No.	221-906-4
Molecular Weight	134.32



Specifications:

Appearance	Colorless transparent liquid
Assay	≥99.0%
Cl	≤10ppm
Ph	6-7

Application:

1. YAC-HMM is a kind of hydrogen-sealed polysiloxane, which can react with unsaturated olefin, so it is widely used to prepare hydrogen-sealed polysiloxane.
2. YAC-HMM is an organosilane reducing agent that can be used in the formation of reducing sulfide and in the reduction etherification reaction. Used for the production of molding silicone rubber, silicone gel, methyl hydrogen silicone oil and other special additives.

Packing& Storage:

- > 130Kg Drum.
- > Flammable liquid, UN1993 3/PG II
- > Keep away from open flames, hot surfaces and sources of ignition. Keep container tightly closed.

PHARMACEUTICAL USE: YAC-TMCS

Chlorotrimethylsilane

Brand Name: YAC-TMCS

Physical properties:

CAS No.	75-77-4
EINECS No.	200-900-5
Molecular Weight	108.64

Specifications:

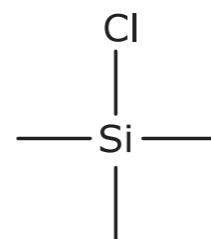
Appearance	Colorless and transparent liquid
Chlorotrimethylsilane	≥99.0%
Tetrachlorosilane	≤0.10%

Application:

1. YAC-TMCS is used as an intermediate in the production of organosilicon polymers and other products.
2. YAC-TMCS is used to prepare alkylating agents and as group protectors in pharmaceutical and chemical production.
3. YAC-TMCS is used as an intermediate in the production of silicone oil, a hydrophobic agent, an analytical reagent, a silicone liquid intermediate, a methyl silicone oil sealing agent, and a water resistant agent.

Packing& Storage:

- > 170Kg Drum.
- > Flammable liquid, UN1298 3+8/PG II
- > Keep away from open flames, hot surfaces and sources of ignition. Keep container tightly closed.



PHARMACEUTICAL USE: YAC-TIPS

Triisopropylsilane

Brand Name: YAC-TIPS

Physical properties:

CAS No.	6485-79-6
EINECS No.	464-880-1
Molecular Weight	158.36

Specifications:

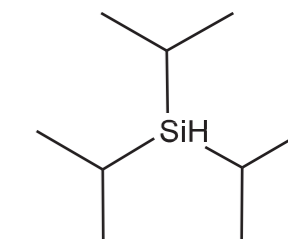
Appearance	Colorless transparent liquid
Purity	≥99.0%

Application:

1. YAC-TIPS is an important steric hindrance type organic silicon protector.
2. YAC-TIPS is a titanium synthetic protective agent.

Packing& Storage:

- > 20Kg Drum.
- > Flammable liquid, UN1993 3/PG III
- > Store in a cool and ventilated warehouse. Keep away from sparks and heat sources.



Applications of organosilane in pharmaceuticals

1. As a drug protectant

Organosilicon is also widely used as a protective agent in organic synthesis. Commonly used protective agents in silicones are hexamethyldisilazane, trimethylchlorosilane, tert-butyldimethylchlorosilane, trimethylchlorosilane, etc. It mainly protects the carboxyl, amino, hydroxyl, unsaturated bond, carbonyl and other functional groups in the drug structure.

2. Increase the selectivity of chemical reactions

Many organosilicon reagents have a large steric hindrance, and the organosilicon reagent can significantly affect the reactivity of its adjacent groups, and it is very sensitive to the three-dimensional environment of the group that reacts with itself, and has a strong steric hindrance effect. For the preparation of compounds such as Methomycin A, sensitive groups such as amino groups and enone products in the molecule may be destroyed by general methods, and the regioselectivity is not strong, and the yield is also low. If a carbonyl group can be converted into an enol silyl ether by an organosilicon reagent, it will have high regioselectivity, and α -methenylated products can be obtained.

3. For the synthesis of intermediates

The preparation of enol silyl ether is easy because there are carbon-carbon double bonds in enol silyl ether. The strength of its silicon-oxygen single bond is weakened. When the nucleophilic reaction is carried out in the form of a carbanion, the electrophile will attack the α -position of the carbon-oxygen bond. Therefore, enol silyl ether is widely used in aldol condensation reactions, alkyl in the chemical reaction. In addition to enol silyl ethers, there are other intermediates containing silicon atoms that participate in specific and highly selective reactions. Such as silicon substitution base, hydroxyl silane, epoxy silane, etc., are also important reagents or intermediates in the synthesis reaction.

4. Catalysis in drug synthesis

Enylene amines can be catalyzed by TMSOTf, ytterbium trifluoromethanesulfonate and TMSiCl. Through this combined catalyst, the N-methylenamino group can replace propylene through a substitution reaction to obtain a single allylamine. At present, this combined catalytic method has been widely used in the synthesis of double-bonded imines and enylidene drugs. In addition to the above-mentioned combined catalysts with the catalytic function of drug synthesis, there are many organosilicon compounds with catalytic function. For example, TBDMSiCl, TBDMS-OTf, etc., under the combined action of amino bases, can catalyze ketones, amides, esters, and thioesters to obtain unsaturated straight-chain aldehydes and acetal aromatic compounds.

Pharmaceutical Silane Series		
Product Name	CAS No.	Brand
N,O-BIS(TRIMETHYLSILYL)ACETAMIDE	10416-59-8	YAC-BSA
BIS(TRIMETHYLSILYL)TRIFLUOROACETAMIDE	25561-30-2	YAC-BSTFA
TRIETHYLSILANE	617-86-7	YAC-TES
TRIETHYLCHLOROSILANE	994-30-9	YAC-TECS
TRIMETHYLCHLOROSILANE	75-77-4	YAC-TMCS
TERT-BUTYLDIMETHYLCHLOROSILANE	18162-48-6	YAC-TBDMSC
TERT-BUTYLDIPHENYLCHLOROSILANE	58479-61-1	YAC-TBDPSC
HEXAMETHYLDISILANE	1450-14-2	YAC-HMD
HEXAMETHYLDISILAZANE	999-97-3	YAC-HMDS
HEXAMETHYLDISILOXANE	107-46-0	YAC-HMDO
TRISOPROPYLSILANE	6485-79-6	YAC-TIPS
TRISOPROPYLCHLOROSILANE	13154-24-0	YAC-TIPSC
1,1,3,3-TETRAMETHYLDISILOXANE	3277-26-7	YAC-HMM
TRIMETHYLIODOSILANE	16029-98-4	YAC-TMSI
Gluconate Salt Series		
Product Name	CAS No.	Specification
CALCIUM GLUCONATE	299-28-5	USP/FCC
ZINC GLUCONATE	4468-02-4	USP/FCC
COPPER GLUCONATE	527-09-3	USP/FCC
POTASSIUM GLUCONATE	299-27-4	USP/FCC
MANGANESE GLUCONATE	6485-39-8	USP/FCC
MAGNESIUM GLUCONATE	3632-91-5	USP/FCC
FERROUS GLUCONATE	299-29-6	USP/FCC
Lactate Salt Series		
Product Name	CAS No.	Specification
L-LACTIC ACID	79-33-4	USP
CALCIUM LACTATE	814-80-2	USP/EP
MAGNESIUM LACTATE	18917-93-6	EP
SODIUM LACTATE	312-85-6	USP/BP
ZINC LACTATE	16039-53-5	FCC
FERROUS LACTATE	5905-52-2	FCC
Other Series		
Product Name	CAS No.	Specification
METHYLSULFONYL METHANE	67-70-0	USP
DIMETHYL SULFOXIDE	67-68-5	USP
INOSITOL	87-89-8	USP
METHYL SALICYLATE	119-36-8	USP
MANNITOL	87-78-5	ChP
FUMARIC ACID	110-17-8	USP/EP
ETHYL ISOBUTYRATE	97-62-1	99%
SODIUM THIOSULFATE PENTAHYDRATE	7772-98-7	99%
1-BROMO-4-CHLOROBUTANE	6940-78-9	99%
1-BROMO-5-CHLOROPENTANE	54512-75-3	97%/99%
ISOPROPENYL ACETATE	108-22-5	99.50%
OXALYL CHLORIDE	79-37-8	99%
METHYL OXALYL CHLORIDE	5781-53-3	98%
ETHYL OXALYL CHLORIDE	4755-77-5	98%