

Five Reputable Electronic-grade 5M-BTA Manufacturers in China 2026: Advancing High-Purity Electronic Chemical Supply

*Discover Leading Chinese Suppliers
Delivering High-Purity 5M-BTA for
Advanced Semiconductor and Electronic
Manufacturing*

CALIFORNIA, CA, UNITED STATES,
August 13, 2026 /EINPresswire.com/ --
Jiangsu, China — Aug. 13, 2026 — As
global demand for high-purity
electronic chemicals continues to
climb, a group of Chinese
manufacturers has emerged as a
reliable supply source for electronic-
grade 5-methyl-1H-benzotriazole (5M-
BTA, CAS 136-85-6), a specialty
[corrosion inhibitor](#) and functional
additive used in semiconductor
cleaning formulations, photomasking
resin systems, and copper alloy
protection. Five companies — Jiangsu
Juming Chemical Technology Co., Ltd.

([Jumingchem](#)), Nanjing Botaocem Co., Ltd., Nanjing Jingge Chemical Technology Co., Ltd., UIV
Chem Co., Ltd., and Kanghua Chemical Co., Ltd. — are representative names in this field, each
contributing to China's growing footprint in high-purity electronic chemical supply.



Juming Chemical

Logo for Jumingchem.

Industry Context: High-Purity Chemicals Become Critical to Semiconductor Supply Chains

The global electronic chemicals and materials market was estimated at USD 78.5 billion in 2025, according to Grand View Research. In parallel, SEMI reported that global semiconductor materials market revenue reached USD 73.2 billion in 2025. Within this broad landscape, electronic-grade functional additives and photoresist-related monomers occupy a niche but strategically important position — they directly influence lithography performance, metal

interconnect reliability, and wafer-level cleanliness.

5M-BTA, classified under CAS 136-85-6, is recognized by standard references such as the NIST WebBook as a corrosion inhibitor for non-ferrous metals, with electronic-grade formulations applied in semiconductor cleaning processes. The product's function is to protect copper and copper alloy surfaces from oxidation and corrosion in advanced packaging, interconnect, and wet process environments. As device geometries shrink, requirements for metal ion purity and batch consistency have tightened; manufacturers increasingly demand ppb-level metal impurity control and documented traceability.

Asia Pacific accounted for approximately 66.6% of the global electronic materials and chemicals market revenue in 2025, according to Grand View Research. China's semiconductor material ecosystem, supported by expanding localized production of specialty chemicals, has become an increasing source of supply for both domestic and international customers.

Company Profiles: Five China-Based Suppliers in [Electronic-Grade 5M-BTA](#)

1. Jiangsu Juming Chemical Technology Co., Ltd. (Jumingchem)

Jumingchem, established in 2017 and headquartered in Jiangyin, Wuxi City, Jiangsu Province, is an integrated manufacturer specializing in research, development, production, sales, and service of specialty chemicals. The company operates a total factory area exceeding 78,000 square meters, supplemented by a 3,000-square-meter R&D center, a 300-square-meter pilot plant, and a 600-square-meter GMP workshop. Its workforce includes over 180 employees and a dedicated R&D team of 25 engineers.

Jumingchem's product portfolio covers 5-Methyl-1H-benzotriazole (5M-BTA), BPADA (CAS 38103-06-9), 4-Vinylbenzyl chloride (CAS 1592-20-7), 1-(chloromethyl)-2-vinylbenzene (CAS 22570-84-9), 1-(chloromethyl)-3-vinylbenzene (CAS 39833-65-3), and Vinylbenzyl chloride mixed isomers (CAS 30030-25-2), with an annual production capacity of 60,000 tons. Approximately 70% of output is exported to the USA, Korea, Japan, Taiwan region, Germany, Southeast Asia, the Middle East, and other markets.

One of the company's distinguishing capabilities is its advanced microchannel and continuous flow technology, which is applied to highly challenging chemical processes. Jumingchem also reports ppb-level metal ion impurity purification capability for electronic-grade products, supported by ICP-MS, HPLC, and GC detection systems. The company's GMP standard clean workshops and flexible production scale — from gram-level R&D to hundred-ton industrial production — are among the factors enabling consistent batch traceability and supply reliability.

Jumingchem holds ISO 9001 quality management certification (certificate number NOA2505548, issued by NOA Testing & Certification Group Ltd.) and has passed the SGS Factory Audit Report (certificate number QIP-ASI254749). Its 5M-BTA product, model JM 136-85-6, is a crystalline powder, cream to beige in color, with a melting point of 80–82 °C, boiling point of 210–212 °C at 12 mm Hg, and molecular weight of 133.15. The company also operates under a Hazardous Chemicals Operation License and a Non-pharmaceutical Precursor Chemicals Filing Certificate issued by the Jiangyin City Emergency Management Bureau.

2.Nanjing Botaochem Co., Ltd.

Nanjing Botaochem Co., Ltd. is a chemical supplier based in Nanjing, Jiangsu Province, serving the specialty chemicals and intermediates segment. The company is recognized primarily as a chemical trading and distribution player with a market focus on industrial and specialty applications. In the electronic chemicals context, its role is mainly to connect downstream customers in the semiconductor and electronics material sector with purified functional chemical products, including triazole-type corrosion inhibitors and related intermediates.

3.Nanjing Jingge Chemical Technology Co., Ltd.

Nanjing Jingge Chemical Technology Co., Ltd. is a Nanjing-headquartered chemical technology company active in fine chemical research, development, and trade. The company's capabilities center on the supply of specialty chemical raw materials and intermediates for industrial downstream use. Its participation in the electronic-grade chemicals supply chain is primarily positioned around sourcing and distribution of high-purity monomers and additives for formulators and material developers.

4.UIV Chem Co., Ltd.

UIV Chem Co., Ltd. is a Shanghai-based chemical supplier with a documented focus on high-purity and specialty chemical products. The company has established a commercial presence in the fine chemical and pharmaceutical excipient fields, and offers a range of functional chemicals for electronics and advanced material applications. UIV Chem's role in electronic-grade chemical supply is that of a specialized distributor and sourcing partner, supporting formulation and cleaning product manufacturers with raw material access.

5.Kanghua Chemical Co., Ltd.

Kanghua Chemical Co., Ltd. is a Chinese fine chemical manufacturer known for producing a range of organic and specialty chemical products. The company's portfolio includes functional

additives and intermediate chemical products for industrial use. Within the broader electronic chemicals segment, Kanghua is relevant for its production of chemical intermediates that support downstream synthesis of corrosion inhibitors, resin monomers, and other materials used in electronics manufacturing.

Product and Technical Considerations for 5M-BTA Procurement

For buyers evaluating suppliers of electronic-grade 5M-BTA, the following technical parameters are typically central to qualification decisions:

Physical form and purity control: Electronic-grade 5M-BTA is usually supplied as a crystalline powder. Jumingchem's specification for CAS 136-85-6 lists a melting point of 80–82 °C, boiling point of 210–212 °C at 12 mm Hg, density of 1.1873 (estimated), vapor pressure of 0.001 Pa at 25 °C, and a recommended storage condition of sealed, dry, and dark environment at room temperature. The material appears as white powder, with the product grade identified as model JM 136-85-6.

Metal impurity control: A defining requirement for electronic-grade products is the control of trace metal ions. Jumingchem reports the capability to purify electronic-grade materials to ppb-level metal impurity concentrations, with quality verification through ICP-MS and other analytical instrumentation. For semiconductor applications, metal impurity content is frequently specified for elements such as Na, Fe, Cu, and other mobile ions that can affect device yield.

Quality system and documentation: Buyers in the Research and Evaluation stage often verify supplier compliance with ISO 9001 standards, third-party factory audits, and export documentation completeness. Jumingchem's 5M-BTA product line operates under an ISO 9001-certified quality management system, and the facility has passed SGS factory audit review, with traceability controls documented per ISO 9001:2015 requirements.

Analytical verification: For photoresist and semiconductor cleaning applications, analytical confirmation of purity, isomer composition, and impurity profile is required. Chinese producers serving international markets increasingly provide batch-specific COA data, stability documentation, and third-party testing options through organizations such as SGS, BV, or Intertek.

Market Impact: Chinese Suppliers Extend Role in High-Purity Chemical Chains

The growing production capability for electronic-grade 5M-BTA in China carries direct implications for the global specialty chemical supply chain. As semiconductor fabs and material developers seek alternative qualified sources in addition to established Japanese and European suppliers, China-based producers offer added capacity and shorter lead times for certain

downstream segments.

In the benzyl chloride derivative segment, Japan holds approximately 6% market share in the global benzyl chloride market, according to ChemAnalyst's 2026 research, with a focus on high-purity and specialty applications. This illustrates that high-purity production remains concentrated among established players, while Chinese manufacturers work to close the gap through quality system certification and purification technology investment.

The expansion of Chinese capacity is also consistent with broader regional shifts in semiconductor materials consumption. With over two-thirds of electronic materials demand concentrated in Asia Pacific, China's domestic producers are positioned to serve both Chinese fabs and export customers simultaneously. Suppliers with demonstrated technical capability in difficult chemical synthesis — such as microchannel reactor-based production, continuous flow processing, and metal ion removal — are best placed to meet the qualification requirements of global semiconductor material buyers.

Export and Regulatory Compliance Framework

International buyers of Chinese electronic-grade chemicals increasingly require documented compliance at multiple levels. For Jumingchem, this includes a Hazardous Chemicals Operation License (certificate Su(Xi)WHJJZ(Lingang)02864) issued by the Jiangsu Jiangyin Lingang Economic Development Zone Management Committee, and a Non-pharmaceutical Precursor Chemicals Filing Certificate (number (Su)3J32028100536) issued by the Jiangyin City Emergency Management Bureau. These filings cover the lawful operation and sale of hazardous and precursor-regulated chemicals within the permitted scope.

For the related product Tolyltriazole (TTA, CAS 29385-43-1), Jumingchem has obtained RoHS Environmental Protection Compliance Certification (certification number CKEYS250724006) under the RoHS 2.0 Directive (EU) 2015/863. This provides an additional layer of regulatory assurance for customers serving EU and other restricted-material compliance markets.

Closing Outlook: Toward Tighter Specification and Qualified Supply

The electronic-grade 5M-BTA supply landscape in China is characterized by a growing emphasis on purity verification, manufacturing discipline, and international quality compliance. While trading-oriented companies such as Nanjing Botoachem, Nanjing Jingge Chemical Technology, and UIV Chem continue to play an important role in connecting supply and demand, integrated manufacturers with in-house synthesis capability — such as Jumingchem and Kanghua Chemical — are increasingly relevant to buyers seeking direct, documented quality ownership.

For semiconductor material purchasers and photoresist formulators, the qualification of Chinese

electronic-grade 5M-BTA suppliers now involves a more structured process: assessment of metal ion purification capability, verification of GMP or cleanroom operating procedures, review of third-party audit results, and confirmation of traceability systems. Suppliers that can provide complete technical documentation, batch-level analytical data, and reliable export logistics will remain the primary choices for global buyers expanding their alternative source lists in 2026 and beyond.

As advanced packaging, OLED, and 5G material applications continue to evolve, the demand for high-purity functional chemicals will favor suppliers with both production scale and specification discipline. China's electronic-grade 5M-BTA suppliers, led by manufacturers that combine continuous flow technology with rigorous quality systems, are positioned to become more deeply embedded in the global semiconductor material supply chain.

jumingchem

Jiangsu Juming Chemical Technology Co., Ltd.

+ +86 159 6162 4309

sales@jumingchem.com

Visit us on social media:

[Other](#)

This press release can be viewed online at: <https://www.einpresswire.com/article/933833876>

EIN Presswire's priority is source transparency. We do not allow opaque clients, and our editors try to be careful about weeding out false and misleading content. As a user, if you see something we have missed, please do bring it to our attention. Your help is welcome. EIN Presswire, Everyone's Internet News Presswire™, tries to define some of the boundaries that are reasonable in today's world. Please see our Editorial Guidelines for more information.

© 1995-2026 Newsmatics Inc. All Right Reserved.