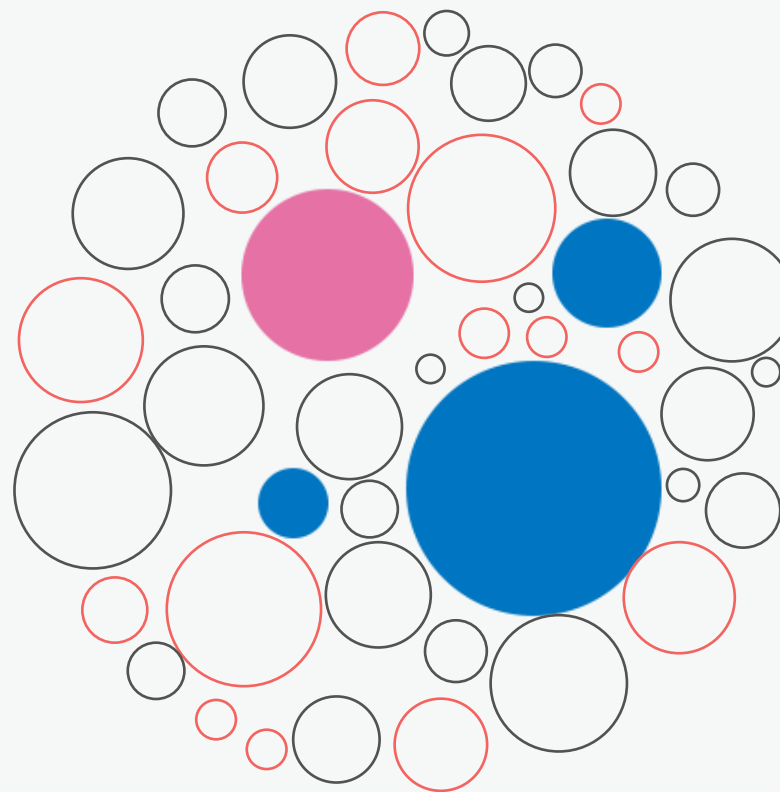


Power your individuality

赋能个性需求



TOMOSUKE BIOCHEM CO., LTD

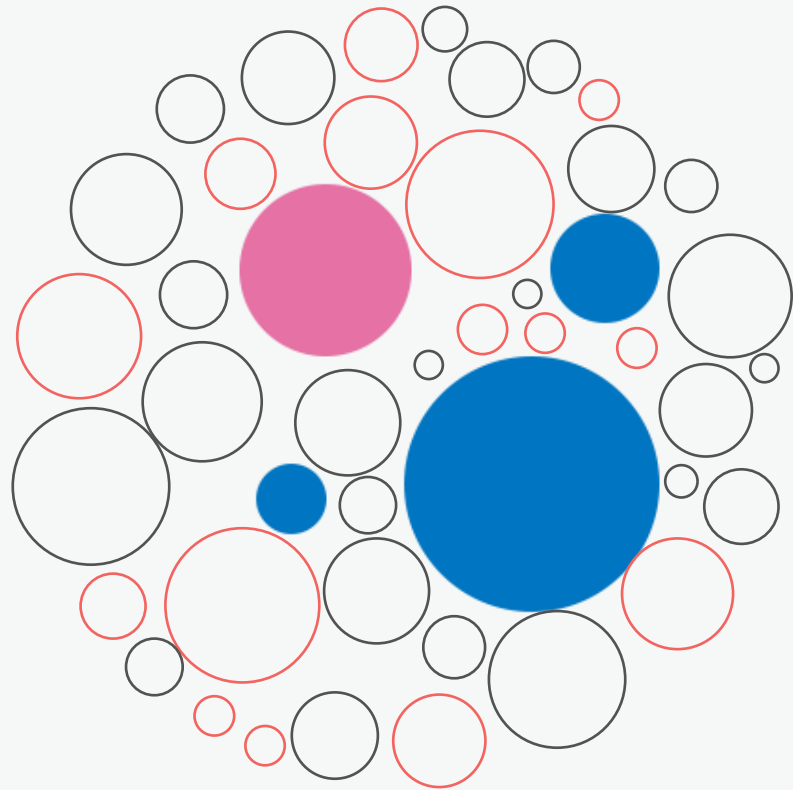
合肥友助生物科技有限公司

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出入相友, 守望相助

いつでも互いに友人のように接し、
ともに見守り助け合おう

The name of Tomosuke comes from was a Chinese Confucian philosopher Mencius which means to always treat each other like friends, watch over and help each other.

友助的名字出自战国时期思想家孟子，寓意构筑命运共同体，相互作伴、同甘共苦。

ABOUT TOMOSUKE

关于友助

Together with TOMOSUKE, we can power our individuality and brush a brighter world for future generations

和友助生物一起，赋能个性需求，为后世共创美好未来。

TOMOSUKE BIOCHEM is initially established by Dr. Bai who studied in Japan for Ph. D., it is a purpose oriented company highly engaged in nutrition , health , agrochemical industry. We endeavor to power your individuality and provide with innovative products and solutions through deep cooperation with world leading manufacturers. Supporting by our typical customizable products development, jointly researching and competitive marketing stretch, we are becoming more deep rooted in China beside Japan.

At TOMOSUKE, we understand the power of nutrition and its impact on our future. As a science based supplier of vitamins, carotenoids and functional ingredients, we inspire you to think big, see further and power individuality for brighter future.

友助生物(TOMOSUKE BIOCHEM)是由留日化学家 Dr. 柏さん主导建立的一家以使命为导向，活跃于营养、健康和农化科学的公司，我们致力于以专业能力为您的个性需求赋能。友助生物打造创新产品和解决方案，与全球领先的生产商通力协作，通过产品定制，工艺衍生及联合技术开发为我们的客户提供更为个性化的产品解决方案，这使得我们能够在日本之外，更加在地化服务中国伙伴。

在友助生物，我们理解营养健康的力量以及对个体未来的影响。作为一个以科学为根基的维生素、类胡萝卜素、功能性添加剂、中间体等产品的供应商，我们鼓励大胆想象，着眼未来，个性化开发产品以成就更加美好的未来。





Our Core Value

Our mission is supported by our core value: Sustainability. Everything we do should contribute to a more sustainable world. To us, achieving sustainability means building mutual supporting connection with our customers and grow together. In short, we strive to create value for small and medium business to maintain a sustainable growth throughout the time.

我们的价值核心

支持我们肩负使命的是我们的价值核心：可持续化。我们所做的点点滴滴都在为一个可持续化发展的世界而贡献。对于友助生物而言，这意味着和我们的客户建立相向而行、共同发展的支持体系。简而言之，友助竭力为中小企业伙伴创造价值，为实现企业可持续化发展而助力！

Our Brand Promise


“Power your individuality” This sums up who we are, what we stand for and what we aim to achieve. These three words are the shorthand for our mission, our beliefs and our behaviors – a promise that we make to the world in which we operate. Power your individuality refers to the unique way in which we combine ingredients solutions with your special demand. We partner with customers, we share ideas, insights and inspiration to create innovative and sustainable solutions that address the key challenges facing society today. We are constantly seeking new ways to improve quality of life, and we seek to make a positive contribution to the lives of people today and generations to come.

我们的品牌承诺

“赋能个性需求” 言简意赅地总结了我们是谁，我们的主张以及我们期望竭力达成的目标。赋能分型需求是指友助生物关注到您的特质，将原料解决方案与您特异的个性需求相结合，提供专有方案。

我们关注到每一个中小企业的阶段性需求，致力于以凝聚供应端优势，化整为零，为中小企业逐步发展助力。

我们同合作伙伴分享观点，启发思维，激励富有创意并且可持续的方案以面对当前社会日益复杂的挑战。友助生物持续找寻能促进产业融合、提高生活质量的新原料解决方案。秉承“出入相友，守望相助”的初衷，同出入共守望，努力对当前及未来社群做出更多的正面贡献。

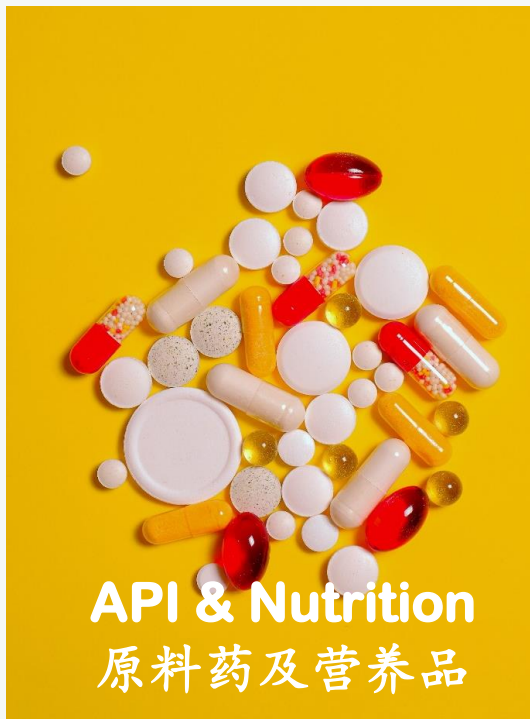


Our Fine Chemicals Business

精细化工业务

TOMOSUKE is addressing the needs of our customers in fine chemicals industry with our unique and diversified ingredients solutions portfolio. We integrates business practices with social values in our endless pursuit of sustainable development and environment protection. We are committed to building a resource-saving and eco-friendly society along the way presuming self-fulfillment with our small and medium size enterprises. Through our technical expertise, operational experiences and upstream resources in fine chemicals industry like API & Nutrition, Animal health, Agricultural science and Solvents & Intermediates, Tomosuke is building up a very close ties with end users and contributing to a more diversified business pattern.

友助通过独特而多样化的原料解决方案组合满足我们精细化工行业客户的需求。我们将商业实践与社会价值观相结合，不断追求可持续发展和环境保护。我们致力于建设资源节约型和生态友好型社会，与我们的中小企业一起实现自我实现。凭借我们在原料药与营养品、动物保健、农业科学和溶剂与中间体等精细化工行业的技术专长、运营经验和上游资源，友助正在与终端用户建立非常紧密的联系，并致力于贡献更加多元化的业务模式。





API & Nutrition

原料药&营养品

Active ingredient	Forms	Functions
Vitamin A Acetate 维生素A醋酸酯	Vitamin A Acetate 2.8 M 维生素A醋酸酯280万IU Vitamin A Acetate 1.6 M 维生素A醋酸酯160万IU Vitamin A Acetate 1.0 M 维生素A醋酸酯100万IU Vitamin A Acetate 500 维生素A醋酸酯50万IU Vitamin A Acetate 325 维生素A醋酸酯32.5万IU	Has a role in the process of cell division (fertility) and contributes to the maintenance of normal mucous membranes, Contribute for Skin cell growth and differentiation. 在细胞分裂（生育）过程中发挥作用，有助于维持正常的粘膜及皮肤细胞的生长和分化。
Vitamin A Palmitate 维生素A棕榈酸酯	Vitamin A Palmitate 1.7 M 维生素A棕榈酸酯170万IU Vitamin A Palmitate 1.6M 维生素A棕榈酸酯160万IU Vitamin A Palmitate 1.0 M 维生素A棕榈酸酯100万IU Vitamin A Palmitate 500 维生素A棕榈酸酯50万IU Vitamin A Palmitate 250 维生素A棕榈酸酯25万IU	Vitamin A palmitate is a retinoid (retinol), it can support and maintain optimum eye health, immune system health, and reproductive health. 维生素A棕榈酸酯是一种视黄醇（视黄醇），它可以支持和维持最佳的眼睛健康、免疫系统健康和生殖健康。
Vitamin B ₃ 维生素B ₃	Niacinamide 烟酰胺	Essential for fat synthesis, protein metabolism and the conversion of food to energy 对脂肪合成、蛋白质代谢和食物转化为能量至关重要
Vitamin B ₅ 维生素B ₅	Calcium D-Pantothenate D-泛酸钙 D-Panthenol D-泛醇	Essential for the formation of certain nerve-regulating substances and hormones 对某些神经调节物质和激素的形成至关重要
Vitamin B ₆ 维生素B ₆	Pyridoxine Hydrochloride 盐酸吡哆醇	Necessary for energy metabolism, helps the nervous system to function properly and is essential to a healthy immune system and healthy heart 是能量代谢所必需的，有助于神经系统正常运作，对健康的免疫系统和健康的心脏至关重要
Vitamin B ₉ 维生素B ₉	Folic Acid 叶酸	Necessary for the formation of red blood cells, certain body proteins and genetic materials for the cell nucleus 是红细胞、某些身体蛋白质和细胞核遗传物质形成所必需的

Active ingredient	Forms	Functions
Biotin 生物素	D-Biotin pure 生物素晶体 D-Biotin 1% 生物素1%	Supports normal psychological function and normal functioning of the nervous system 支持正常的心理功能和神经系统的正常功能
Vitamin D ₃ 维生素D ₃	Vitamin D ₃ Crystalline 维生素D ₃ 结晶 Vitamin D ₃ 1.0 M 维生素D ₃ 100万IU Dry Vitamin D3 500 维生素D ₃ 50万IU Dry Vitamin D3 100 维生素D ₃ 10万IU	Helps support normal function of the immune system, improves epithelial barrier function, modulation of the gut microbiome, helps absorption and utilization of calcium and phosphorus 帮助支持免疫系统的正常功能，改善上皮屏障功能，调节肠道微生物群，帮助钙和磷的吸收和利用
Vitamin E 维生素E	Vitamin E 50% 维生素E 50% Vitamin E 96% 维生素E 96% Vitamin E Acetate 50% 维生素E醋酸酯 50% Vitamin E Acetate 98% 维生素E醋酸酯 98%	Contributes to the protection of neuronal cells from oxidative stress 有助于保护神经元细胞免受氧化应激
Vitamin E – Naturally sourced 天然维生素E	d-α-Tocopheryl Acetate d-α-生育酚醋酸酯 Mixed Tocopherols 混旋生育酚	Contributes to the protection of neuronal cells from oxidative stress 有助于保护神经元细胞免受氧化应激
Co Q10 辅酶 Q10	Crystalline 辅酶Q10结晶 10% CWS/powder 10% 冷水可溶粉末	May help maintain a healthy blood pressure and heart function 有助于维持健康的血压和心脏功能

Active ingredient	Forms	Functions
β-Carotene 胡萝卜素	β-Carotene 1% CWS β-胡萝卜素 1% CWS β-Carotene 6% CWS β-胡萝卜素 6% CWS β-Carotene 10% CWS β-胡萝卜素 10% CWS β-Carotene 30% S β-胡萝卜素 30% S Crystalline β-胡萝卜素结晶	Precursor of Vitamin A, essential for good vision including color and low light vision and supports maintenance of normal vision 维生素 A 的前体，对维持健康的视力（包括颜色和弱光视力）至关重要
Vitamin C 维生素 C	Regular 维生素C原粉 97% DC 97% 压片 93% Coated 93% 包衣 100 mesh Fine Powder 100目细粉 Calcium Ascorbate VC钙 35% phosphate 35%磷酸酯 Sodium Ascorbate Crystalline 维生素C钠盐 Ascorbyl Palmitate 维生素C棕榈酸酯	Supports normal functioning of the nervous system, normal psychological function, reduction of tiredness and fatigue 支持神经系统的正常功能，正常的心理功能，减少疲劳和疲劳
Soya Lecithin 大豆卵磷脂	Regular fluid 标准液体 Regular powder 标准粉末	primarily used as an emulsifier to help maintain a stable emulsion between unmixable liquids. applications ranging from bakery, pet food, industrial and cosmetic/personal care applications. 主要用作乳化剂，帮助在不可混合的液体之间保持稳定的乳液。应用范围包括烘焙、宠物食品、工业和化妆品/个人护理应用。

Animal Health

动物保健



Addressing your needs

Active ingredient	Forms	Description
Cloprostenol Sodium 氯前列醇钠	D; DL, 98.5%	Used to induce estrus and to cause abortion 用于诱导发情和导致流产
Vitamin A Acetate 维生素A醋酸酯	VA 1000	Cross linked beadlet 交联微粒
	VA 500 WS VA 50万IU	Spray-dried powder water dispersible 喷雾干燥水分散型粉末
	AD ₃ 1000/200	Cross linked beadlet
	AD ₃ 100万/20万	交联微粒
β-carotene β-胡萝卜素	β-carotene 10% β-胡萝卜素 10%	Encapsulated beadlet; Cross linked beadlet 包埋微囊; 交联微粒
Vitamin D ₃ 维生素D ₃	VD ₃ -500 维生素D ₃ 50万IU	Spray-dried powder, water dispersible 喷雾干燥粉末, 冷水分散
Vitamin E 维生素E	E-50 Adsorbate	Adsorbate on silicic acid 硅酸吸附型
	E-50 吸附体系	
	E 50 SD E-50 粉末	Spray-dried powder, water dispersible 喷雾干燥粉末, 冷水分散
Biotin 生物素	2%	Spray-dried powder water dispersible 喷雾干燥粉末, 冷水分散
	98%	Crystalline powder 结晶粉末
Folic acid/ VB ₉	80% SD	Spray-dried powder water dispersible 喷雾干燥粉末, 冷水分散
	97% - 102%	Crystalline powder
Vitamin C	35% phosphate	Spray-dried powder 喷雾干燥粉末
	VC Coated	Ethyl-cellulose coated powder 乙基纤维素包衣粉末
	Regular	Crystalline powder 结晶粉末





Agriculture
Science
作物科学



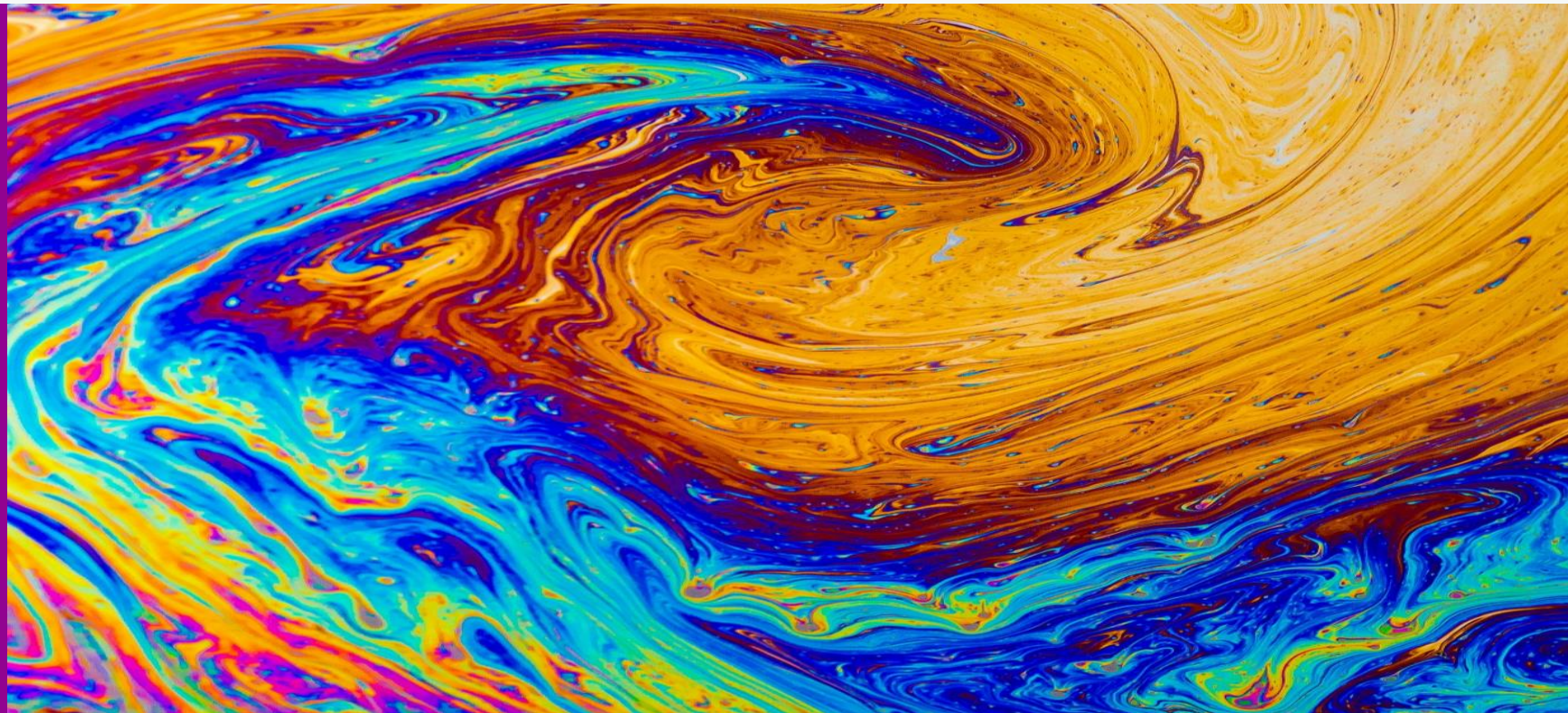
Our Agrochemicals Business 农化业务

Agriculture is the foundation upon which the world can maintain stability. However, human societies are still facing different challenges ahead. Tomosuke is committed to providing a more sophisticated portfolio of diverse and targeted products that may help to tackle these intensified challenges, boosts crop yield and quality for farmers.

社会仍然面临着不同的挑战。友助生物致力于提供更复杂的多样化和有针对性的产品组合，这可能有助于应对这些加剧的挑战，提高农民的作物产量和质量。

Commercial Name	Chemical Name	CAS#	Description
Potash of Sulfur (SOP) 硫酸钾	Potassium Sulfate	7778-80-5	white water-soluble powder and granular 白色水溶性粉末和颗粒
Ammonium Sulfate 硫酸铵	Ammonium tetraoxosulfate	7783-20-2	As fertilizer for alkaline soils. 作为碱性土壤的肥料。
Glufosinate Ammonium 草铵膦	d,l-phosphinothricin or 2-amino-4-(hydroxymethylphosphinyl) butanoic acid	51276-47-2	95%TC,150,200,300,500G/L SL
Imidacloprid 吡虫啉	N-{1-[(6-Chloro-3-pyridyl)methyl]-4,5-dihydroimidazol-2-yl} nitramide	138261-41-3	95%TC; 10%WP; 5%EC.
Acrolein 丙烯醛	Prop-2-enal	107-02-8	colorless liquid with a piercing, acrid smell. 无色液体，有刺鼻气味。

**Solvents &
Intermediates**
溶剂及中间体



Solvents & Intermediates Business 溶剂与中间体业务

Tomosuke understands that even a single raw material or additive can have a significant impact on the production process, and we are looking for more affordable solutions to new challenges every day to help our partners improve their competitiveness. By combining our professional technology and application support capabilities of solvents and intermediates, from coatings to pesticides, from pharmaceuticals to fragrances, Tomosuke will listen carefully to your demands, and use customer solutions to match your individual needs with scientific and efficient solutions.

友助深知，即使是单个原料或添加剂也会对生产过程造成重大影响，我们每天都在为全新的挑战寻找更加物美价廉的解决方案以帮助我们的伙伴提升竞争力。通过结合我们溶剂与中间体的专业技术和应用支持能力，从涂料到农药，从医药到香料，友助都会细心聆听您的诉求，以科学精神为您的个性需求匹配高效的解决方案。

Commercial Name	Chemical Name	CAS#	Description
Isophorone 异佛尔酮	3,5,5-Trimethylcyclohex-2-en-1-one 3,5,5-三甲基-2-环己烯-1-酮	78-59-1	colorless or yellowish liquid with a characteristic peppermint-like odor 无色或淡黄色液体，有薄荷味
Cyclopentanone 环戊酮	Cyclopentanone 环戊酮	120-92-3	clear, colorless liquid 无色透明液体
Isoprenol 3-异戊烯醇	3-Methylbut-3-en-1-ol 3-甲基-3-丁烯-1-醇	763-32-6	clear, colorless liquid 无色透明液体
Prenol 2-异戊烯醇	3-Methylbut-2-en-1-ol 3-甲基-2-丁烯-1-醇	556-82-1	clear, colorless liquid 无色透明液体
Sodium Thiomethoxide 甲硫醇钠	Sodium methanethiolate 甲硫醇钠	5188-07-8	yellow-red 类黄至红色溶液
Isophytol 异植物醇	3,7,11,15-Tetramethylhexadec-1-en-3-ol 3,7,11,15-四甲基-1-十六碳烯-3-醇	505-32-8	Colorless viscous liquid 无色粘稠液体
Isovaleraldehyde 异戊醛	3-Methylbutanal 3-甲基丁醛	590-86-3	Colorless Liquid 无色透明液体

Commercial Name	Chemical Name	CAS#	Description
MX 3,5-二甲基苯酚	3,5-xylenol 3,5-二甲基苯酚	108-68-9	White or white-like crystal or powder 白色或类白色结晶或粉末
PCMX 对氯间二甲酚	Para-chloro-meta-xylenol 4-氯-3,5-二甲基苯酚	88-04-0	White to whitish needle crystals or crystal powder 白色至白色针状结晶或结晶性粉末
3-(Aminomethyl) tetrahydrofuran 3-(氨基甲基)四氢呋喃	(TETRAHYDROFURAN-3-YL) METHANAMINE (四氢呋喃-3-基)甲胺	165253-31-6	Colorless to Yellow and Colorless to Brown liquid 无色至黄色和无色至棕色液体
2,2-dimethoxypropane; DMP 2,2-二甲氧基丙烷	acetone dimethyl acetal 丙酮缩二甲醇	77-76-9	colorless liquid 无色液体



Power your individuality

TOMOSUKE BIOCHEM 友助生物



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