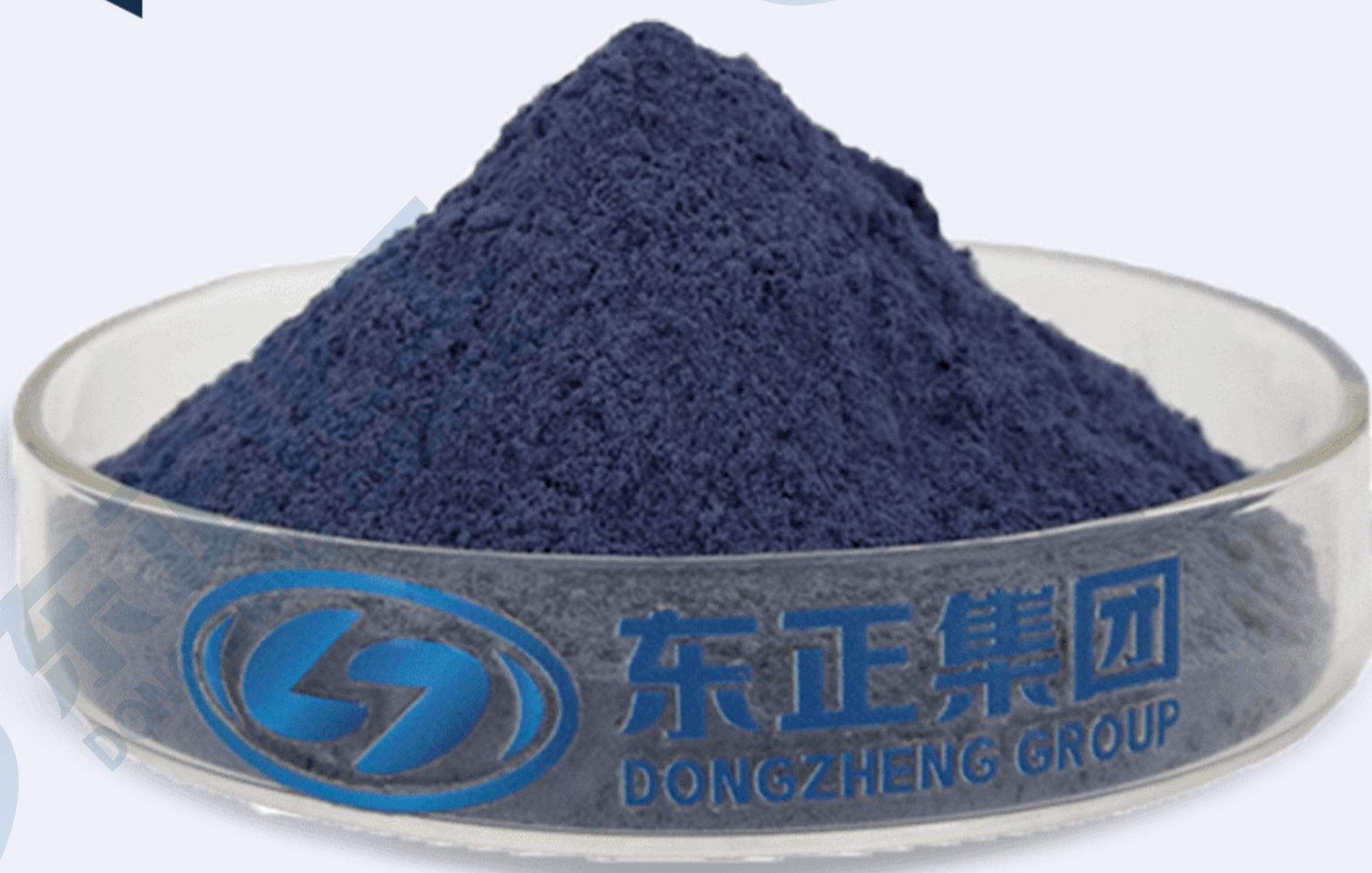


葡萄糖酸铬

Chromium Gluconate



产品信息

【分子式】 $C_{18}H_{33}CrO_{21}$

【分子量】637.43

【CAS号】18016-24-5

【外 观】紫色或蓝紫色晶体粉末，质量比浓度
50%的液体产品为紫色液体。

产品性质

● 物理化学性质

无味，无毒，常温常压下稳定。易吸潮，晶体吸潮后有粘
结性。易溶于水，不溶于乙醇和乙醚等有机溶剂。可燃，
遇高热明火可以燃烧，燃烧产物为二氧化碳和三氧化二铬。

● 包装

晶体产品，1公斤铝塑袋包装，20袋汇集成一个纸桶包装；
液体产品，200升蓝色塑料桶包装。（可根据客户需求定制）

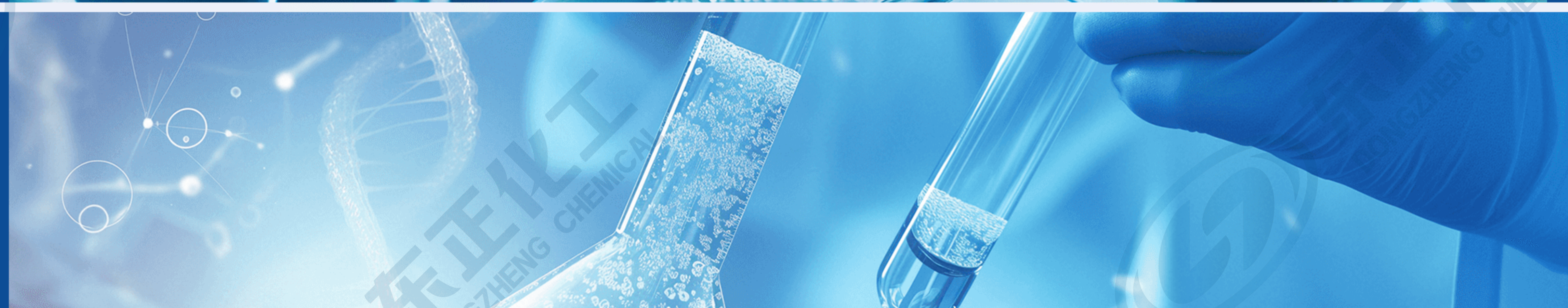
● 存储

防潮，置于阴凉干燥处。

应用领域



药品、食品添加剂（铬强化剂，可降低血糖，提高血中高密度脂蛋白的含量以清除总胆固醇的作用）；饲料添加剂；
化学助剂；有机反应催化剂。



Product Information

【Molecular Formula】 $C_{18}H_{33}CrO_{21}$

【Molecular Weight】637.43

【CAS Number】18016-24-5

【Appearance】Purple or bluish-purple
crystalline powder; the 50% concentration
liquid product is a purple liquid.

Properties

● Physical and Chemical Properties

It is odorless, non-toxic, and remains stable under
normal temperature and pressure. It is highly
hygroscopic, with crystals tending to become
cohesive upon moisture absorption, exhibiting high
solubility in water but is insoluble in organic solvents
such as ethanol and diethyl ether. Combustible, can
burn when exposed to high heat or open flame,
producing carbon dioxide and chromium trioxide as
combustion products. It is combustible and may ignite
when exposed to high temperatures or open flames.
Upon combustion, it primarily decomposes into carbon
dioxide (CO_2) and chromium trioxide (CrO_3).

● Packaging

For crystalline product, 1kg per aluminum-plastic
composite bag, 20 bags packed in a fiber drum; for
liquid product, 200L packed in blue plastic drum.

● Storage

Make sure to keep away from moisture and store in a cool and dry place.

Application area



In pharmaceuticals and food additives, it acts as a chromium supplement to help regulate blood sugar levels and
enhance high-density lipoprotein production, thereby supporting total cholesterol clearance, as well as serving
as a feed additive, chemical auxiliary agent, and organic reaction catalyst.

技术指标

项目		晶体产品	合格品
铬（以Cr计）	w/ % ≥	8.00	4.00
葡萄糖酸铬（以 $C_{18}H_{33}CrO_{21}$ 计）	w/ % ≥	98.00	50.00
铁（以Fe计）	w/ % ≤	0.005	0.003
锌（以Zn计）	w/ % ≤	0.005	0.003
锰（以Mn计）	w/ % ≤	0.0005	0.0002
铜（以Cu计）	w/ % ≤	0.0005	0.0002
铅（以Pb计）	w/ % ≤	0.00002	0.00001
砷（以As计）	w/ % ≤	0.00002	0.00001
硫酸盐（以 SO_4^{2-} 计）	w/ % ≤	0.02	0.01
氯化物（以Cl计）	w/ % ≤	0.010	0.005

Technical Indicators

Items	Crystalline Product	Liquid Product
Chromium (as Cr), w/% ≥	8.00	4.00
Chromium Gluconate (as $C_{18}H_{33}CrO_{21}$), w/% ≥	98.00	50.00
Iron (as Fe), w/% ≤	0.005	0.003
Zinc (as Zn), w/% ≤	0.005	0.003
Manganese (as Mn), w/% ≤	0.0005	0.0002
Copper (as Cu), w/% ≤	0.0005	0.0002
Lead (as Pb), w/% ≤	0.00002	0.00001
Arsenic (as As), w/% ≤	0.00002	0.00001
Sulfates (as SO_4^{2-}), w/% ≤	0.02	0.01
Chlorides (as Cl), w/% ≤	0.010	0.005



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