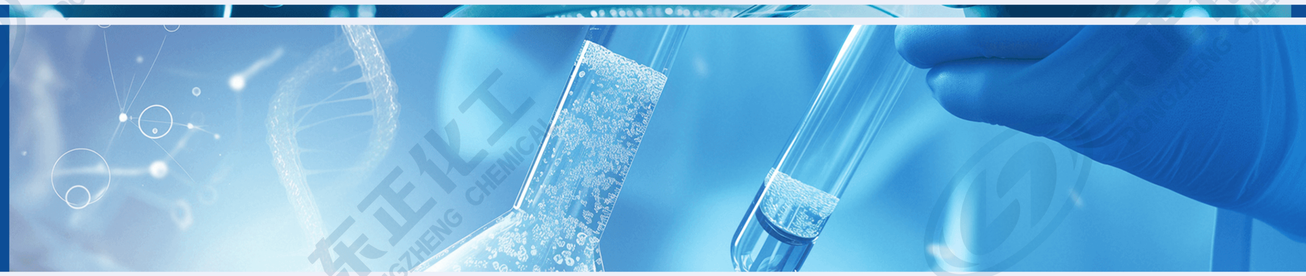
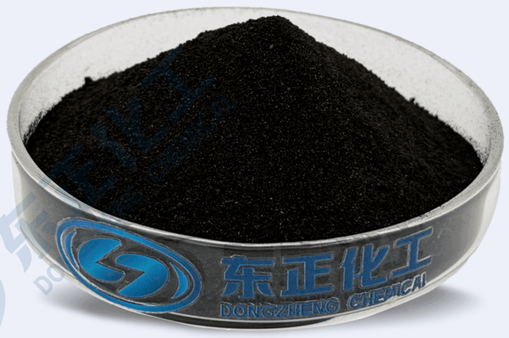
三乙酰丙酮锰
Manganese(III) Acetylacetonate





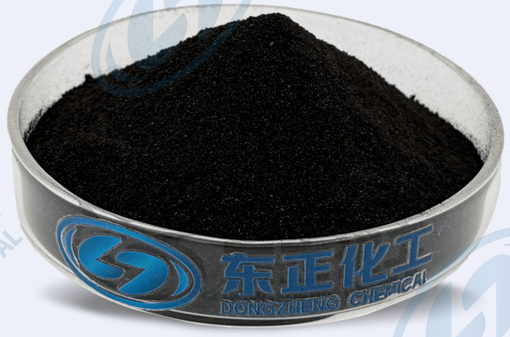
产品信息

【分子式】$C_{15}H_{21}MnO_6$

【分子量】 352.26 g/mol

【CAS号】14284-89-0

【外　观】深棕色或黑色结晶性粉末。



Product Information

【Molecular Formula】$C_{15}H_{21}MnO_6$

【Molecular Weight】 352.26 g/mol

【CAS Number】14284-89-0

【Appearance】Dark brown or black crystalline powder.

产品性质

溶解性

易溶于有机溶剂（如氯仿、二氯甲烷、丙酮、乙醇）。微溶于水。

稳定性

在干燥环境中稳定，但遇强酸、强氧化剂可能分解。

存储

需避光、密封保存于阴凉干燥处，避免与空气长期接触。

Properties

Solubility

Readily soluble in organic solvents (such as chloroform, dichloromethane, acetone, ethanol), slightly soluble in water.

Stability

Remain Stable under dry conditions, but decompose in the presence of strong acids or oxidizing agents.

Storage

Sealed in a cool dry place away from light. Avoid prolonged exposure to air.

产品用途



1、催化剂：用于有机合成中的氧化反应、聚合反应（如环氧树脂固化）。烯烃环氧化、醇氧化等反应的催化剂前体。

2、材料科学：制备磁性材料或功能配合物的原料。化学气相沉积（CVD）制备含锰薄膜材料。

3、科研领域：作为锰（III）配合物模型用于配位化学研究。

Product Usage



1. Catalysis. It is used as a precursor catalyst in organic synthesis for oxidation reactions, polymerization (such as epoxy resin curing), and reactions such as olefin epoxidation and alcohol oxidation.
2. Materials Science. It serves as a raw material for preparing magnetic materials or functional complexes, as well as for chemical vapor deposition (CVD) to produce manganese-containing thin films.
3. Research. It is employed as a manganese (III) complex model in coordination chemistry studies.

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