

# IRON OXIDE Gold CORE SHELL

**99%**  
(Purity)




Iron Oxide Gold core-Shell nanoparticles have received tremendous interests in various applications compared to the bare Iron Oxide nanoparticles due to several important features such as exhibit higher surface area, the existence of a synergistic effect between the core and the shell, Major applications are in bioimaging, drug delivery, gene delivery, and sensors. The core-shell Nanostructure varies with different sizes and different shapes of core and shell thickness with different surface morphology. Core-shell nanoparticles have many potential and exciting applications in the biomedical field. Covering a thin surface layer on fine particles can alter their usefulness and properties, such as stability, dispersal ability and catalytic and optical properties.

## PROPERTIES

- ✓ Large Surface Area
- ✓ High thermal stability
- ✓ Chemical tailor ability



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Stock no:  
**NS6130-12-000559**

## CHEMICAL IDENTIFIERS

Purity	:	99 %
Chemical name	:	Fe <sub>2</sub> O <sub>3</sub> /Au
Shape	:	Spherical
Form	:	Powder
Core	:	Iron Oxide
Shell	:	Gold

## Applications

- ✓ Biosensors
- ✓ Biological imaging
- ✓ Cell labeling
- ✓ tissue engineering
- ✓ Theranostics
- ✓ Catalysis technology

ISO 9001:2015  
CERTIFIED COMPANY



20ZICE4589C



19ZAZGO1274G



20ZICE4588M

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