

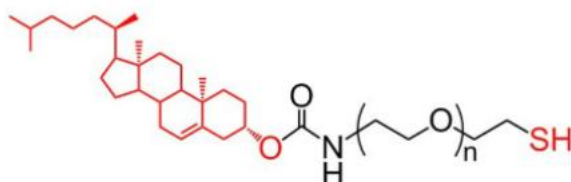
## CHOL Gold Nanoparticles

### DESCRIPTION

Beijing Biotyscience Co. Ltd provides high-quality spherical gold nanoparticles of different sizes. The aqueous solution of gold nanoparticles presents orange, red, purple and other colors depending on the particle size. Gold nanoparticles have many applications in biology and medicine due to their unique optical and physical properties.

These versatile reagents can be used for biological immune detection, protein labeling, dark-field optical imaging, fluorescence enhancement, surface enhancement Raman substrate to meet the different experimental needs of scientific researchers.

By precisely engineering the gold nanoparticle surface, we also offer protein/antibody gold conjugates and particles with functional groups such as biotin, carboxyl, amine allowing them to be directly used in many applications.

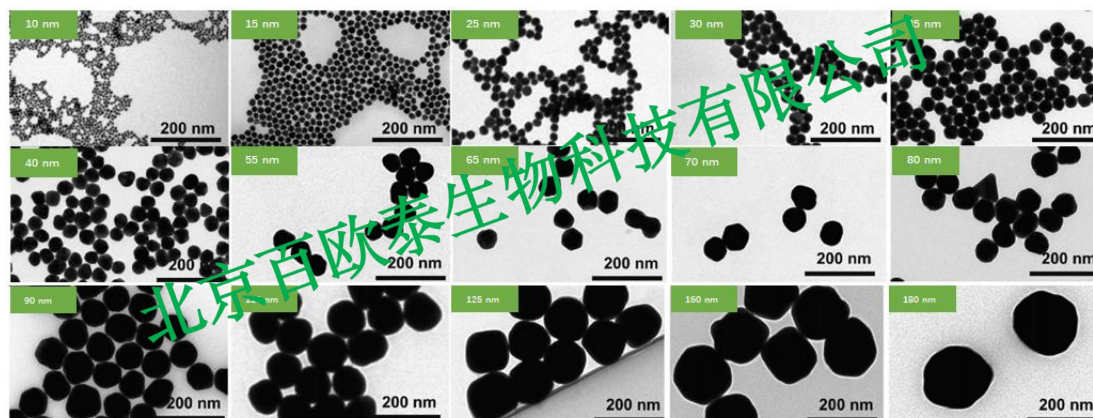


CHOL-PEG-SH

## PRODUCT INFORMATION

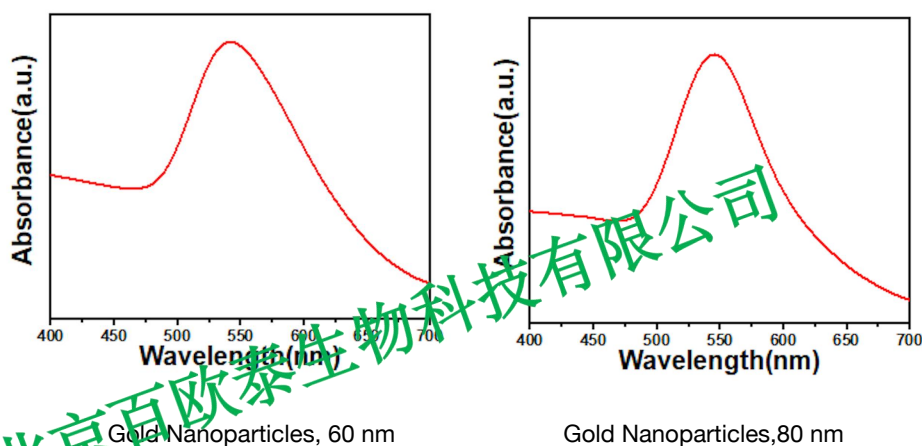
|                         |                                                       |
|-------------------------|-------------------------------------------------------|
| <b>Type</b>             | Gold Nanoparticles                                    |
| <b>Diameter</b>         | 5 nm - 100 nm                                         |
| <b>Functional group</b> | SH-PEG-Cholesterol                                    |
| <b>Concentration</b>    | 0.05 mg/ml (or others)                                |
| <b>Buffer</b>           | Supplied in DI Water.                                 |
| <b>Size</b>             | 10 ml                                                 |
| <b>Storage</b>          | Stored at 2 - 8°C. Do not freeze. Protect from light. |
| <b>Shelf life</b>       | 3 months                                              |

## Transmission electron microscopy (TEM)



Transmission electron microscopy (TEM) of Biotyscience gold nanoparticles of different sizes

## UV-Vis spectrum



## Applications

Conjugate Development

Immunostaining

Lateral Flow Assays

Biological Sensor Development

Electron Microscopy

Dark Field Microscopy

Surface Enhanced Raman Spectroscopy (SERS)

## Storage

Store product away from direct sunlight at 2-8 ° C.

Do NOT freeze. Freezing causes irreversible aggregation of the gold nanoparticles.

When stored as specified the product is stable for at least six months.

## Contact Us

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