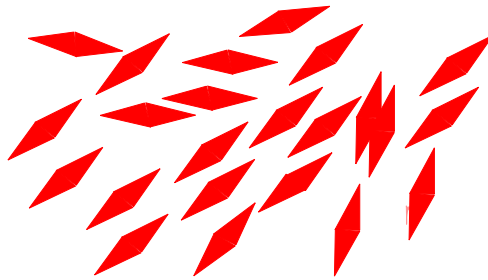


## Gold Nanobipyramids

### DESCRIPTION

Gold Nanobipyramids are one-dimensional gold nanoparticles with the best optical performance so far. The monodispersity is perfect. Due to the sharp shape at both ends, the electric field enhancement of Gold Nanobipyramids is better than gold nanorod. The refractive index sensitivity is far more than gold nanorod. These properties make Gold Nanobipyramids extremely attractive for various applications based on surface plasmon resonance.



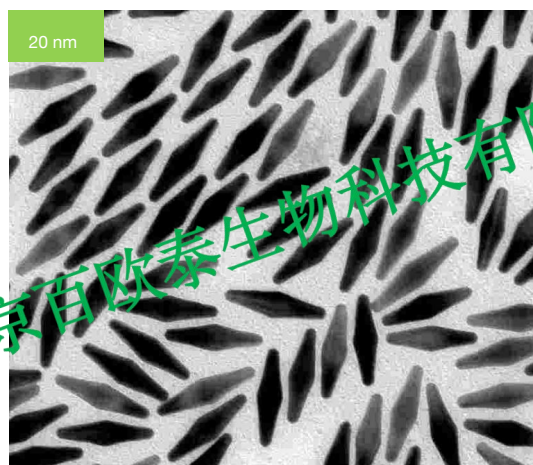
Biotyscience provides Gold Nanobipyramids of various sizes to meet the needs of different users for different purposes. Biotyscience's Gold Nanobipyramids products use deionized water as the solvent, and the CTAB content of the cosolvent does not exceed 0.01 M. The product has a high degree of stability in water and can be evenly dispersed for several months without sedimentation.

The purity of our Gold Nanobipyramids is above 95%, and the width of the longitudinal surface plasmon resonance peak of their solution is equivalent to that of a single particle, indicating that the size and shape of each particle are

basically the same. Each batch of our products is synthesized through precise steps and characterized by independent visible and infrared extinction spectra. Different batches of products have excellent repeatability.

## PRODUCT INFORMATION

<b>Type</b>	Gold Nanobipyramids
<b>Diameter</b>	20 nm - 45 nm
<b>Surface</b>	CTAB
<b>OD</b>	1
<b>Size</b>	10 ml
<b>Storage</b>	Stored at 2 - 8°C. Do not freeze. Protect from light.



Biotyscience Gold Nanobipyramids

## Advantage

Highly accurate and monodisperse in size, shape

Batch to batch uniformity

More accurate sizing makes for better SPR matching for Surface Enhanced

北京百欧泰生物科技有限公司

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Raman Labels.

Monodisperse sizes and shapes leads to better Resonance Light Scattering labels in sensitivity and multiplexing

Extremely stable

Different sized particles scatter different colors of light and therefore can be used as multicolor multiplexed labels

## 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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