

GOLD Nanopowder

99.9%

(Purity)



Gold nanoparticles (Au NPs) are very attractive and versatile nanoparticles since they have a remarkable capacity to absorb and scatter light, convert optical energy into heat via nonradiative electron relaxation dynamics, and surface chemistries that can be capitalized upon so that the nanoparticles act as drug carriers. Au NPs have excellent stability and biocompatibility, tailorable shapes and sizes, an easily functionalized surface, high drug-loading capacity, and low toxicity. The properties of Au NPs can be leveraged to develop more precisely targeted and effective cancer therapeutics. Au NPs have been used to target delivery of chemotherapeutic agents, complement radiation and thermal therapy, and enhance contrast for in vivo imaging of the tumor in a variety of cancer types and diseased organs.

Stock no:
NS6130-01-162

Chemical Identifiers

Purity	:	99.9%
Chemical name	:	Au
APS	:	6-10nm
Molecular Weight	:	196.966 g/mol
Density	:	19.30 g/cm ³
Melting Point	:	1064.18 °C

Applications

- ✓ Drug Delivery
- ✓ Sensing of DNA and oligonucleotides
- ✓ Bio imaging
- ✓ Cancer diagnostic and therapeutic agents
- ✓ Electronics
- ✓ Probes
- ✓ Photodynamic therapy



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20ZICE4589C



19ZAZGO1274G



20ZICE4588M

INTELLIGENT MATERIALS PVT LTD
Derabassi
Punjab (140507)
INDIA

+91 9779 550077, 9779238252

NANOSHEL UK LIMITED
Chapel House,
Chapel St Cheshire,
CW12 4AB United Kingdom

+44 (0) 74 105 488, +44 203 137 5187

NANOSHEL LLC
3422 Old Capitol Suit
1305 Wilmington DE - 19808
United States

+1 646 470 4911