

Biotin

SILVERNA NOPARTICLES

Quick FACTS

- ✓ Product : Biotin Silver Nanoparticles
- ✓ Stock No : NS6130-12-000416
- ✓ CAS : 58-85-5
- ✓ Color : N/A
- ✓ Form : Powder

Silver nanoparticles (AgNPs) are increasingly used in distinct fields, for instance medical, food, health care, consumer, and industrial purposes, because of their unique physical and chemical properties. It also shows some properties such as optical, electrical, and thermal, high electrical conductivity, and biological properties. Due to their remarkable properties, these have been utilized for several applications, including as antibacterial agents, in industrial, household, and healthcare-related products, in consumer products, medical device coatings, optical sensors, and cosmetics, in the pharmaceutical industry, the food industry, in diagnostics, orthopedics, and drug delivery. It has also used as anticancer agent, and have ultimately improves the tumor- killing effects of anticancer drugs. The biological activity of AgNPs depends on various factors such as surface chemistry, size, size distribution, shape, particle morphology, particle composition, coating/capping, agglomeration, and dissolution rate, particle reactivity in solution, efficiency of ion release, and cell type. The physicochemical properties of nanoparticles improve the bioavailability of therapeutic agents after both systemic and local administration and other hand it can affect cellular uptake, biological distribution, penetration into biological barriers, and resultant therapeutic effects.



CE ISO 9001:2015
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ISO: 13485:2016/20ZICE4588M
CE: 20ZICE4589C

    /nanoshel

www.nanoshel.com | sales@nanoshel.com

Tel: +91 9779550077,9779238252

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Applications

- ✓ Industrial, household
- ✓ Consumer products
- ✓ Medical device coatings
- ✓ Optical sensors
- ✓ cosmetics
- ✓ Pharmaceutical industry
- ✓ The food industry
- ✓ Orthopedics

Packing Sizes Available

25Gms, 50Gms, 100Gms,
500Gms & Bulk Orders



Technical SPECIFICATION

Size Dispersion (nm)	Surface Volume Ratio	Biotin surface Density	Molar Mass (g/mol)	MolarConcentration
15%	0.15	0.5/nm ²	2.12E + 08	4.74E - 07

INTELLIGENT MATERIALS PVT LTD

Derabassi-140507 Punjab-India
www.nanoshel.com | sales@nanoshel.com
+91 9779 550077, 9779238252
Company's GSTIN: 03AABCI9814Q1Z6

NANOSHEL UK LIMITED.

Chapel House
Chapel St Cheshire
CW12 4AB United Kingdom
+44(0)74105488, +442031375187

NANOSHEL LLC.

3422 old Capitol Suit
1305 Wilmington DE - 19808
United States
+1646 470 4911



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