

Nanomaterial News Update: Alfa Chemistry Upgrades Its Nanoprism Product Line

New York City, New York Feb 28, 2022 ([Issuewire.com](https://www.issuewire.com)) - With the rapid development of nanotechnology, it is now possible to prepare nanoparticles with controllable shape and size. Nanoprism is a kind of nanomaterial with prismatic morphology and is composed of nano-flakes. Since the launch of a series of [nanoprisms](#) a few months ago, Alfa Chemistry has been undertaking to upgrade this product line. This move is purposed to extend its offering range to silver nanoprisms, gold nanoprisms, copper nanoprisms, and TiO₂ nanoprisms, for customers across the globe.

With methods like electron beam printing and focused ion beam printing, nanoparticles can be formed into a variety of nanostructures including spherical, rod-shaped, flakes-shaped, shell, tetrahedron, hexagon, star, prism, and others. All these advances and technological breakthroughs make the production of nanoprisms much easier.

Owing to their excellent optical and chemical properties, nanoprisms have a wide range of applications in many fields such as biological imaging, biosensor, biomolecule, inorganic ion detection, optical sensor, *etc.*

“Committed to consistent quality and execution, researchers at Alfa Chemistry have developed dozens of high-quality nanoprisms, including but not limited to:

[bismuth nanoprisms](#) (cas 7440-69-9), calcium nanoprisms, tellurium nanoprisms (cas 13494-80-9), niobium nanoprisms (cas 7440-03-1), palladium nanoprisms (cas 7440-05-3), platinum nanoprisms (cas 7440-06-4), rhenium nanoprisms (cas 7440-15-5), scandium nanoprisms (cas 7440-20-2), tantalum nanoprisms (cas 7440-25-7), [tin nanoprisms](#) (cas 7440-31-5), boron nanoprisms (cas 7440-42-8), germanium nanoprisms (cas 7440-56-4), gold nanoprisms (cas 7440-57-5), vanadium nanoprisms (cas 7440-62-2), yttrium nanoprisms (cas 7440-65-5), and copper-zinc alloy nanoprisms.

For more information about Alfa Chemistry's offering of nanoprisms, please visit <https://nanomaterials.alfa-chemistry.com/products/nanoprisms.html> or just simply send an email to us.

About Applications of Nanoprisms

Having tunable optical properties, nanoprisms are very helpful to biological imaging, which is an important means to understand the structure of organisms and elucidate various physiological functions of organisms. In addition to that, nanoprisms can be well used as photothermal molecules in photodynamic therapy as a novel and effective treatment to cure cancer. Moreover, nanoprisms also play an important role in the development of new energy sources. Studies also found that nanoprisms are widely used in many other fields such as ion detection, biosensors, optical sensors, *etc.*

About Alfa Chemistry

Alfa Chemistry always puts customers first, trying to look for the best value for their customers from both a quality and cost savings perspective. Meanwhile, the company also emphasizes the importance of continuous innovation and works very hard to build a comprehensive product portfolio that covers catalysts, metal materials, graphenes, nanomaterials, functional polymers, lipids, and fatty acids for universities, research institutes as well as manufacturing companies. Among all these offerings,

nanomaterials such as nanocarbon, nanofibers, nanofoil, nanoparticles, nanoprisms, nanorods, nanospheres, nanotubes, nanowires are of increasing research interest.

Media Contact

Tylor Keller

support@alfa-chemistry.com

New York, USA

Source : Alfa Chemistry

[See on IssueWire](#)