

# NANOMATERIALS

Nanomaterials have a higher surface area in comparison with conventional materials, a characteristic that can have a significant impact on their physical and chemical properties. This is of increasing importance in the creation of novel and improved materials in pharmaceutical applications such as drug discovery and separation, as well as in material science applications that range from polymeric nanocomposites and battery elements to fuel cells and catalysis. Microporous materials, such as high-surface-area inorganic oxides and zeolites, are ideal candidates for use as separatory aides, catalysts, pigments, and coating agents. Aldrich is pleased to introduce a number of new nanopowders and mesoporous molecular sieves for your research, and we are continuing to expand our product offerings with applications in the area of nanotechnology. If you don't see the material you need for your research, please call us today at **1-800-231-8327** or email us at [aldrich@sial.com](mailto:aldrich@sial.com).

For a complete listing of available nanomaterials, including carbon nanotubes and metal nanopowders, please refer to the 2000-2001 Aldrich Handbook of Fine Chemicals or visit our award-winning Web site at [www.sigma-aldrich.com](http://www.sigma-aldrich.com). Bulk quantities of these products are also available – please contact your local office or call us at **1-800-336-9719 (USA)** or **314-534-4900** for inquiries.

## METAL OXIDE NANOPOWDERS

NEW! 54,483-3	Aluminum oxide, nanopowder	10g; 50g
NEW! 54,954-1	Antimony tin oxide, nanopowder, 99.5+%	5g; 25g
46,763-4	Barium titanate, nano-sized powder, 99+%	25g; 100g
NEW! 54,484-1	Cerium(IV) oxide, nanopowder	5g; 25g
NEW! 54,486-8	Copper(II) oxide, nanopowder	5g; 25g
NEW! 54,487-6	Indium tin oxide, nanopowder	5g; 25g
51,701-1	Strontium titanate, nano-sized powder, 99.5+%	50g
NEW! 54,489-2	Yttrium oxide, nanopowder	5g; 25g
NEW! 54,490-6	Zinc oxide, nanopowder	10g; 50g

## MESOPOROUS MOLECULAR SIEVES

51,774-7	Alumina, mesoporous, average pore size 5.6 nm	5g; 25g
51,775-5	Alumina, mesoporous, average pore size 6.8 nm	5g; 25g
NEW! 54,104-4	Aluminosilicate molecular sieve, Al-HMS type, average pore size 3.4 nm	5g; 25g
NEW! 54,103-6	Silica, molecular sieve, HMS type, average pore size 3.9 nm	5g; 25g



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