

GOLD NANOMATERIALS



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PRODUCT INFORMATION

DODECANETHIOL FUNCTIONALIZED GOLD NANOPARTICLES

Product Name: Dodecanethiol Functionalized Gold Nanoparticles
Catalog Number: 3014
Appearance: Black solid; dissolves to give red solution
Storage: Upon receipt store product at -20°C. Product is shipped at ambient temperature.
Revision: 1.0 (May 2010)

GENERAL INFORMATION

This product contains 3 to 5 nm gold nanoparticles coated and stabilized with dodecane-1-thiol. This product has a hydrophobic surface character and is soluble in organic solvents such as toluene. Mean size and standard deviation are given in a specification sheet supplied with each lot.

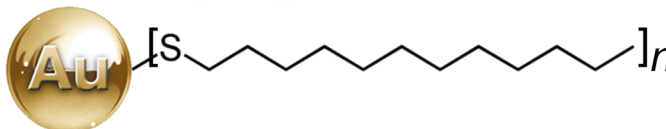


Figure 1: 3-5 nm gold nanoparticle functionalized with dodecane-1-thiol.

For a long term storage, the solid product should be stored at -20°C. After dissolution, the solution can be stored in the refrigerator at 2-8°C.

Warning: For research use only. Not recommended or intended for diagnosis of disease in humans or animals. Do not use internally or externally in humans or animals. Non radioactive.

INSTRUCTIONS FOR USE

The product is supplied as a lyophilized pure solid; no buffers or other salts or stabilizers are present. The black solid may be dissolved directly into the solvent to be used. Should there be any delay in complete dissolution, gentle agitation using a vortex mixer or brief sonication should ensure complete solution.

Technical Assistance Available.

For a complete list of references citing our products, please visit our world-wide-web site at:

<http://www.nanoprobes.com/references/index.html>.