GOLD NANOMATERIALS

Nanoprobes

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PRODUCT INFORMATION

1-MERCAPTO-(TRIETHYLENE GLYCOL) METHYL ETHER FUNCTIONALIZED GOLD NANOPARTICLES

Product Name:	1-Mercapto-(Triethylene Glycol) Methyl Ether Functionalized Gold Nanoparticles
Catalog Number:	3012
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 1-mercapto-(triethylene glycol) methyl ether. This product has an amphiphilic surface character and is soluble in a variety of solvents, both aqueous and organics, including toluene, chloroform, ethyl acetate, acetone, water and alcohols. Mean size and standard deviation are given in a specification sheet supplied with each lot.

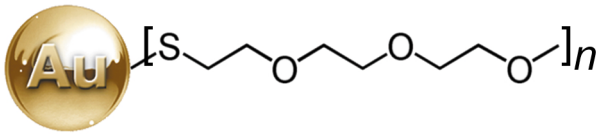

Figure 1: 3-5 nm gold nanoparticle functionalized with mercapto-(triethylene glycol) methyl ether.

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 or buffer 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.