

PRODUCT DATA SHEET

3nm Dodecanethiol Stabilized Gold Nanoparticles

Description

Cytodiagnosics alkylthiol (dodecanethiol) stabilized gold nanoparticles are soluble in a wide range of organic solvents (see table I below) and are available both dried and as a suspension in hexane.

These organic soluble gold nanoparticles can be used for a wide range of applications in optics, electronics and for use in the development of chemical and biochemical sensors.

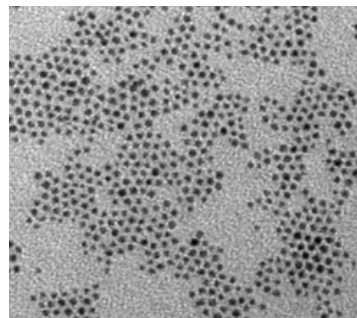


Table I. Solubility of dodecanethiol stabilized gold nanoparticles in various solvents.

<u>Solvent</u>	<u>Solubility</u>
Toluene	Soluble
Hexane	Soluble
Chloroform	Soluble
THF	Soluble
DMF	None
DMSO	None
Isopropanol	None
Methanol	None
Ethanol	None
Water	None

Characteristics

Core diameter: 3nm (± 1 nm) (Coefficient of Variance < 20%)

Concentration: 1mg/ml

Absorbance (λ_{max}): 510nm

Surface Composition: 1-Dodecanethiol stabilized

Available both in hexane and dried formats.

Storage/Stability

This product should be stored at 4-25°C. **DO NOT FREEZE**. If stored as specified, Cytodiagnosics dodecanethiol stabilized gold nanoparticles are stable for at least 3 months.

Precautions and Disclaimer

These products are for R&D use only, not for drug, household, or other uses. Please consult the Material Safety Data Sheet available online at www.cytodiagnosics.com for information regarding hazards and safe handling procedures.

Ordering Information

For ordering call 866-344-3954 or visit us online.

Catalog Number	Description	Quantity
OG-3-1ML	3nm Dodecanethiol Stabilized Gold Nanoparticles in Hexane	1ml (1mg/ml)
OG-3-1MG	3nm Dodecanethiol Stabilized Gold Nanoparticles (dried)	1mg
OG-3-5ML	3nm Dodecanethiol Stabilized Gold Nanoparticles in Hexane	5ml (1mg/ml)
OG-3-5MG	3nm Dodecanethiol Stabilized Gold Nanoparticles (dried)	5mg
OG-3-50ML	3nm Dodecanethiol Stabilized Gold Nanoparticles in Hexane	50ml (1mg/ml)
OG-3-50MG	3nm Dodecanethiol Stabilized Gold Nanoparticles (dried)	50mg