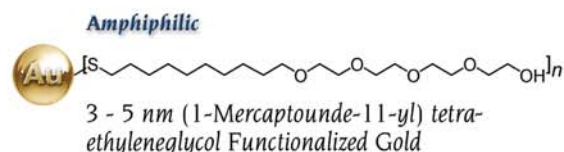
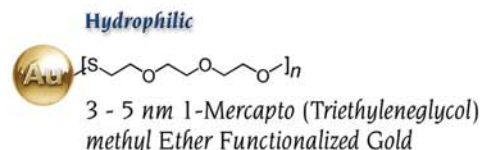
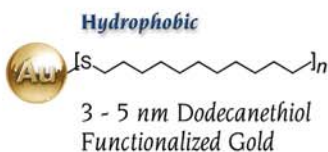
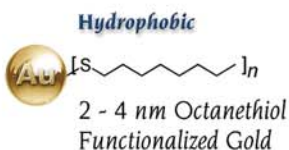


# Gold Nanomaterials

## Functionalized gold particles for nanotechnology

Available in  
your choice of:

- Amphiphilic**
- Hydrophilic**
- Hydrophobic**



Coated and stabilized using different ligands, capped by chemical groups which provide different solubilities

**CHOOSE YOUR SOLUBILITY**

## Chemically functionalized gold nanoparticles Coated & stable for nanomaterials and nanostructures

### Features and Advantages

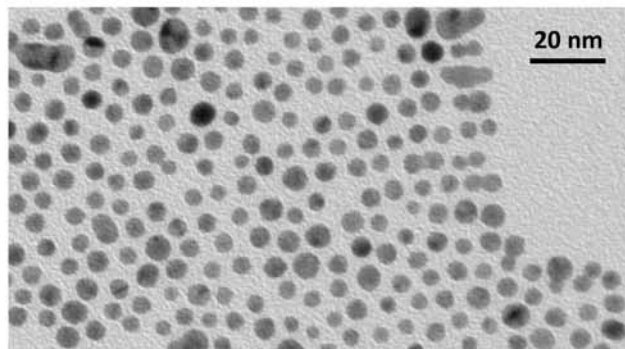
- Solubility properties can be selected for your application.
- Mean size and size distribution given for each lot.
- Stable and chemically inert.

### Applications

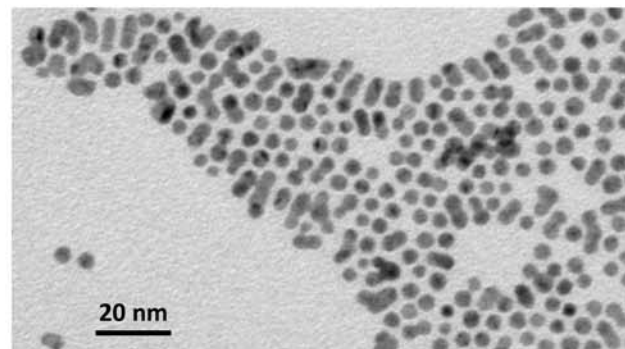
- Preparation of nanocomposites and nanostructured materials.
- Fiducial markers for high-resolution electron tomography applications.
- Markers for surfaces, structures and materials with complementary properties.

### Preparations

Amphiphilic: 3012	1-Mercapto-(triethylene glycol) methyl ether functionalized gold nanoparticles	80 mg
Hydrophilic: 3013	(1-Mercaptoundec-11-yl) tetraethyleneglycol functionalized gold nanoparticles	80 mg
Hydrophobic: 3014	Dodecanethiol functionalized gold NPs	80 mg
3015	Octanethiol functionalized gold NPs	80 mg



3-5 nm (1-mercaptoundec-11-yl) tetra-ethylene glycol-coated gold (mean core diameter  $4.74 \pm 0.73$  nm).



3-5 nm dodecanethiol-functionalized gold (mean core diameter  $4.08 \pm 0.76$  nm)