Commercial Development of Trimetasphere Metallofullerene MRI Contrast Agents

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Commercial Development of Trimetasphere™ Metallofullerene MRI Contrast Agents

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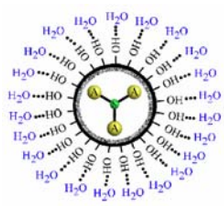
Luna nanoWorks is a new division of Luna Innovations Inc. (Nasdaq: LUNA) created to commercialize medical products based on nanomaterials technology.



Hydration shell around $Gd_3N@C_{80}$

One of Luna nanoWorks' technologies is a unique fullerene species we call a Trimetasphere™ -- an 80 carbon fullerene sphere in which a trimetallic nitride complex is embedded. The goal of our MRI program is to provide safer, more effective contrast agents to enable earlier detection of disease and superior patient profiling. I will discuss the large scale Trimetasphere™ manufacturing process, and the chemical synthesis, biology, and MRI imaging properties of some of Luna's unique Trimetasphere™ contrast agents.