

LEAD SULPHIDE Cadmium Sulphide CORE Shell

99.9%

(Purity)



Core-shell nanoparticles have many potential and exciting applications in the biomedical field. nanoparticles are a class of nanostructure materials that have recently received increased attention owing to their interesting properties and broad range of applications in catalysis, biology, materials chemistry and sensors. Covering a thin surface layer on fine particles can alter their usefulness and properties, such as stability, dispersal ability and catalytic and optical properties. Lead Sulphide Cadmium Sulphide core-shell nanoparticles have received tremendous interests in various applications compared to the bare lead sulphide nanoparticles due to several important features such as exhibit higher surface area, the existence of a synergistic effect between the core and the shell, Major applications are in bioimaging, drug delivery, gene delivery, and sensors. The core-shell Nanostructure varies with different sizes and different shapes of core and shell thickness with different surface morphology.

Stock no:
NS6130-12-000574

CHEMICAL IDENTIFIERS

Purity	:	99.9%
Chemical name	:	PbS/ CdS
Core	:	Lead sulphide
Shell	:	Cadmium Sulphide

Applications

- ✓ Biosensors
- ✓ Cell labeling
- ✓ Tissue engineering
- ✓ Theranostics
- ✓ Catalysis technology
- ✓ Biological imaging



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