

CADMIUM SELENIUM Cadmium Sulfide CORE SHELL

99.9%

(Purity)



Cadmium sulfide (CdS) is a typical semiconductor material, which exhibits excellent photoelectric properties. Although CdS has excellent photoelectric properties; it exist some disadvantages such as photo-induced decomposition, easy oxidation and easy aggregation. In addition, CdS has great toxicity and easily pollutes the environment, which limits its application to a great degree. At present, the encapsulation structure of semiconductor nanocrystals can effectively solve these problems. There are two ways to enhance the photochemical properties and the stability. One is to modify the surface with organic compounds; the other is to form monodisperse particles with composite structure.

The core-shell nanoparticles, which break through the simple superposition in different functional substances, have attracted much attention as new types of materials.

Applications

It has practical and potential applications in light emitting diodes, solar cells, nonlinear optical devices, photoelectric sensors, bioluminescence markers and so on

Stock no:
NS6130-12-000580

CHEMICAL IDENTIFIERS

Purity	:	99.9%
Chemical name	:	Cds/ZnS
APS	:	80-100nm
Molecular Weight	:	-
Density	:	-
Melting Point	:	-



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20ZICE4589C



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