

CdSe ZnS CORE Shell

99.9%
(Purity)



Core-shell type composite quantum dots exhibit novel properties making them attractive from both an experimental and a practical point of view. Overcoating nanocrystallites with higher band gap inorganic materials has been shown to improve the photoluminescence quantum yields by passivating surface nonradiative recombination sites. Particles passivated with inorganic shell structures are more robust than organically passivated dots and have greater tolerance to processing conditions necessary for incorporation into solid state structures.

In addition to having higher efficiencies, CdSe overcoated particles are more robust than organically passivated dots and potentially more useful for optoelectronic device structures

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:
NS6130-12-000581

CHEMICAL IDENTIFIERS

Purity	:	99.9%
Chemical name	:	Cdse/ZnS
Core Diameter	:	80-100nm
Shell Thickness	:	20-30nm



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ISO 9001:2015
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20ZICE4589C



19ZAZGO1274G



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