

COBALT Cadmium Selenide Core Shell

99.9%
(Purity)



Stock no:
NS6130-12-000541

Chemical Identifiers

Purity	:	99.9%
Chemical name	:	Co/CdSe
APS	:	80-100nm

Applications

- ✓ Biofunctional optical Nanocrystals
- ✓ As a sensitizer in solar cells

Nanocomposite materials provide the possibility for enhanced functionality and multifunctional properties in contrast with their more-limited single-component counterparts. One example of a nanocomposite material is the inorganic core-shell structure. In the case where semiconductors comprise the core and shell, the core-shell motif has permitted enhanced photoluminescence, improved stability against photochemical oxidation, enhanced processibility, and engineered band structures.

A nanocomposite, composed of a magnetic metal core, Co, and a semiconductor shell, CdSe. This provides a clear example of an all-inorganic bifunctional nanoparticle and is the first core/shell combination of a magnetic nanoparticle and a luminescent semiconductor quantum dot.



Follow us:



| www.nanoshel.com | sales@nanoshel.com

ISO 9001:2015
CERTIFIED COMPANY



20ZICE4589C



19ZAZGO1274G



20ZICE4588M

INTELLIGENT MATERIALS PVT LTD
Derabassi
Punjab (140507)
INDIA

+91 9779 550077, 9779238252

NANOSHEL UK LIMITED
Chapel House,
Chapel St Cheshire,
CW12 4AB United Kingdom

+44 (0) 74 105 488, +44 203 137 5187

NANOSHEL LLC
3422 Old Capitol Suit
1305 Wilmington DE - 19808
United States

+1 646 470 4911