

**NS6130-12-000204**

# CADMIUM SULPHIDE ZINC SULPHIDE

PEG-NH<sub>2</sub> Quantum Dots

## Quick Facts

Product	:	CdS/ZnS PEG NH <sub>2</sub> QDs
Stock No	:	NS6130-12-000204
Purity	:	99.9%
Composition	:	CdS/ZnS
Emission Peak	:	440±15nm
Surface Group	:	PEG-NH <sub>2</sub>
Solvent	:	Water

**Purity**  
99.9%

Cadmium sulfide (CdS) and zinc sulfide (ZnS) are both semiconductor materials commonly used to make quantum dots (QDs), which are tiny particles that exhibit unique optical and electronic properties due to their size and composition. When these materials are coated with polyethylene glycol (PEG) and carboxylic acid (COOH) groups, they become known as CdS/ZnS-PEG-COOH QDs.

QDs to be used as fluorescent markers in biological systems, where they can be targeted to specific cells or tissues of interest.

# CdS/ZnS



Follow us:



| [www.nanoshel.com](http://www.nanoshel.com) | [sales@nanoshel.com](mailto:sales@nanoshel.com)



20ZICE4589C



19ZAZGO1274G



20ZICE4588M

ISO 9001:2015  
CERTIFIED COMPANY

**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