

**NS6130-12-000203**

# CADMIUMSULPHIDE ZINC SULPHIDE

PEG-COOH Quantum Dots

## Quick Facts

|               |   |                      |
|---------------|---|----------------------|
| Product       | : | CdS/ZnS PEG COOH QDs |
| Stock No      | : | NS6130-12-000203     |
| Purity        | : | 99.9%                |
| Composition   | : | CdS/ZnS              |
| Emission Peak | : | 440±15nm             |
| Surface Group | : | PEG-COOH             |
| 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



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