

**NS6130-12-001654**

# CARBON Dots

## Bright Red

### Quick Facts

Product	: Carbon Dots-Bright Red
Stock No	: NS6130-12-001654
CAS	: 7440-44-0
Color	: Red
Form	: Liquid

**Purity**  
99.9%

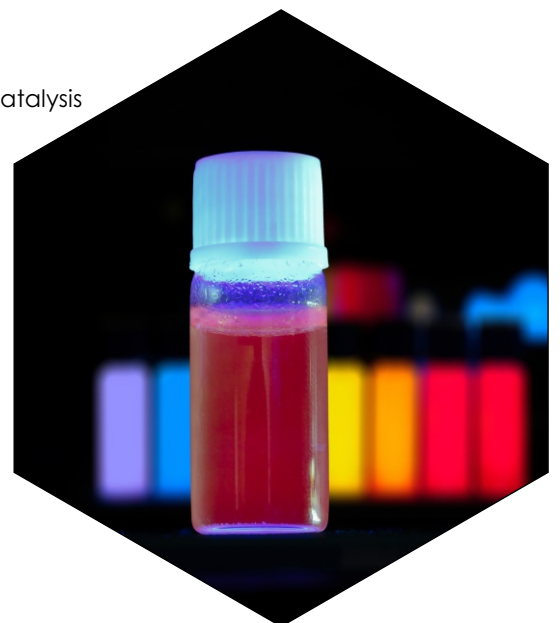
### Technical Specification

Molecular Weight	Density	Melting Point	APS
12.01 g/mol	N/A	N/A	N/A

In recent years, carbon-based nanomaterials such as Carbon Dots-Bright Red have attracted a wide spread attention. Fluorescent carbon dots (CDs) are one class of carbon-based nanomaterials that exhibit special photoluminescence properties. The unique properties of CDs, such as biocompatibility, tunable emission wavelength, and cost-effective, synthesis, have aroused intense interest. Most recent researches on CQDs have focused on their fluorescence characteristics and photocatalytic, excellent physical and electronic properties and application in electrocatalysis, including oxygen reduction reaction (ORR), oxygen evolution reaction (OER), hydrogen evolution reduction (HER), and CO<sub>2</sub> reduction reaction (CO<sub>2</sub>RR).

### Application

- ✓ Chemical sensor, bioimaging, nanomedicine, drug delivery, and electrocatalysis
- ✓ Oxygen evolution reaction (OER),
- ✓ Hydrogen evolution reduction (HER)
- ✓ CO<sub>2</sub> reduction reaction (CO<sub>2</sub>RR)



# CQDs



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CERTIFIED COMPANY

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