

Graphene quantum dots, red fluorescence

Cat: NM000410

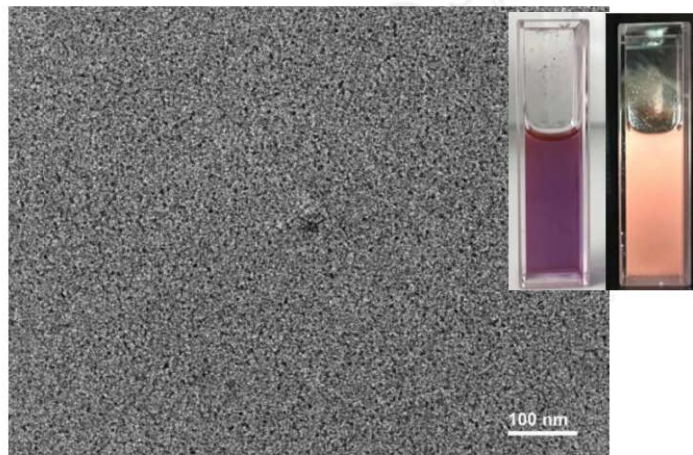
Specification: 50mg/100mg

Storage: Sonicate at 700 W for 30 min if dispersion needed. The dispersion should be formulated immediately before its application. Sealed, avoid light, and keep at 4 °C . Expiry date: Six months before unsealing.

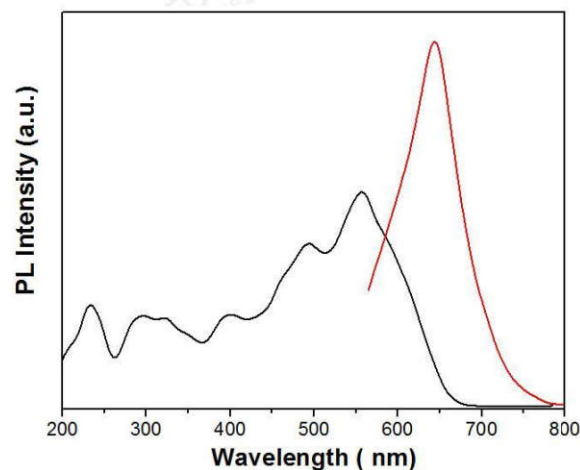
Product Introduction:

Product name	Graphene quantum dots red fluorescence
Particle size	<10 nm
Appearance	Brownish black
Solvent	DMF、DMSO、EG
Fluorescence color	Red fluorescence
Surface groups	COOH-, OH-, NH2-)

Representation Test Diagram:



TEM image of graphene quantum dots (Inset Left: under day-light; Right: under UV light at 365 nm, dispersed and diluted in DMF.)



PLE and PL spectrum of graphene quantum dots (Black curve: PLE obtained from excitation wavelength of 641 nm, Red curve: PL obtained from emission wavelength of 560 nm.)

Application:

Composite materials, bio-labeling, optoelectronic devices, fluorescence materials etc.

Note:

1. This product is for scientific research use only. Do not use for medical, clinical diagnostic or therapeutic, food or cosmetic purposes. Do not store in ordinary residential areas.
2. For your safety and health, please wear a laboratory coat and wear disposable gloves and masks to operate.