Red PS Fluorescent Particles-PEG 300
PRODUCT DATA SHEET

Red PS Fluorescent Particles-PEG 300

Description

Red PS Fluorescent Particles-PEG 300 is a composite material composed of polyethylene glycol (PEG) with a molecular weight of 300 and PS Fluorescent Particles. PEG is a high molecular weight polymer with good biocompatibility and biodegradability. PS Fluorescent Particles are a common fluorescent marker widely used for labeling, tracking, and imaging of cells and molecules. The introduction of PEG improved the water solubility and biocompatibility of PS Fluorescent Particles, enhancing their ability to be taken up by cells. Red PS Fluorescent Particles-PEG 300 can emit bright red fluorescence and has a wide range of applications in cell labeling and imaging, molecular diagnosis and detection, drug delivery and therapy, and biomaterials.

Abvigen Inc can provide high-quality Red PS Fluorescent Particles-PEG 300.This product can meet the personalized material needs of various customers for research and development, testing, production, and consumption.

For custom sizes, formulations or bulk quantities please contact our customer service department.

Website: www.abvigen.com Phone: +1 929-202-3014 Email: info@abvigenus.com

Characteristics

Concentration: 10 mg/ml

Size: 10 ml

Surface: PEG 300

Shape: Spherical

Composition: Red PS Fluorescent Particles

Excitation: 620 nm

Emission: 680 nm

Buffer: Supplied in DI Water.

Form: Suspension

Store: Storage at 2 - 8 °C

Storage

This product should be stored at 4°C. **DO NOT FREEZE**.

For 10 mg/ml of Red PS Fluorescent Particles-PEG 300

Diameter	Conc. mg/ml	Particles/mg	Particles/ml	Diameter	Conc. mg/ml	Particles/mg	Particles/ml
50 nm	10	1.48E+13	1.48E+14	20 um	10	2.32E+05	2.32E+06
100 nm	10	1.85E+12	1.85E+13	21 um	10	2.00E+05	2.00E+06
200 nm	10	2.32E+11	2.32E+12	22 um	10	1.74E+05	1.74E+06
300 nm	10	6.87E+10	6.87E+11	23 um	10	1.52E+05	1.52E+06
400 nm	10	2.90E+10	2.90E+11	24 um	10	1.34E+05	1.34E+06
500 nm	10	1.48E+10	1.48E+11	25 um	10	1.19E+05	1.19E+06
600 nm	10	8.58E+09	8.58E+10	26 um	10	1.05E+05	1.05E+06
700 nm	10	5.41E+09	5.41E+10	27 um	10	9.42E+04	9.42E+05
800 nm	10	3.62E+09	3.62E+10	28 um	10	8.45E+04	8.45E+05
900 nm	10	2.54E+09	2.54E+10	29 um	10	7.60E+04	7.60E+05
1 um	10	1.85E+09	1.85E+10	30 um	10	6.87E+04	6.87E+05
2 um	10	2.32E+08	2.32E+09	40 um	10	2.90E+04	2.90E+05
3 um	10	6.87E+07	6.87E+08	50 um	10	1.48E+04	1.48E+05
4 um	10	2.90E+07	2.90E+08	60 um	10	8.58E+03	8.58E+04

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5 um	10	1.48E+07	1.48E+08	70 um	10	5.41E+03	5.41E+04
6 um	10	8.58E+06	8.58E+07	80 um	10	3.62E+03	3.62E+04
7 um	10	5.41E+06	5.41E+07	90 um	10	2.54E+03	2.54E+04
8 um	10	3.62E+06	3.62E+07	100 um	10	1.85E+03	1.85E+04
9 um	10	2.54E+06	2.54E+07	110 um	10	1.39E+03	1.39E+04
10 um	10	1.85E+06	1.85E+07	120 um	10	1.07E+03	1.07E+04
11 um	10	1.39E+06	1.39E+07	150 um	10	5.49E+02	5.49E+03
12 um	10	1.07E+06	1.07E+07	180 um	10	3.18E+02	3.18E+03
13 um	10	8.44E+05	8.44E+06	220 um	10	1.74E+02	1.74E+03
14 um	10	6.76E+05	6.76E+06	250 um	10	1.19E+02	1.19E+03
15 um	10	5.49E+05	5.49E+06	500 um	10	1.48E+01	1.48E+02
16 um	10	4.53E+05	4.53E+06	1100 um	10	1.39E+00	1.39E+01
17 um	10	3.77E+05	3.77E+06	1400 um	10	6.76E-01	6.76E+00
18 um	10	3.18E+05	3.18E+06	1700 um	10	3.77E-01	3.77E+00
19 um	10	2.70E+05	2.70E+06	3000 um	10	6.87E-02	6.87E-01

Advantage

High fluorescence intensity

Uniform particle size

Good biocompatibility

Low cytotoxicity

Applications

Cell markers

Cell imaging

Molecular diagnosis and testing

Drug delivery

Biological materials

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Ordering Information

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