Polystyrene Particles-Azide
PRODUCT DATA SHEET

Polystyrene Particles-Azide

Description

Polystyrene Particles-Azide is a polymer material that combines azide groups with polystyrene segments, exhibiting significant chemical reactivity and multifunctionality. The high reactivity of azide groups enables Polystyrene Particles-Azide to participate in various chemical reactions, such as azide reactions, cyclization reactions, etc., and has multiple potential applications. Its granular structure increases the surface area of the reaction and provides convenience for surface modification and functionalization of the material. Polystyrene Particles-Azide can serve as a catalyst carrier to promote the efficient progress of specific reactions, or as a catalyst to participate in catalytic reactions, playing an important role in organic synthesis and chemical catalysis processes. In addition, Polystyrene Particles-Azide has demonstrated unique advantages in the biomedical field, as it can be used in drug delivery systems to achieve binding with drug molecules through the chemical reactivity of azide groups, promoting the release of targeted drugs and enhancing drug efficacy.

Abvigen Inc can provide high-quality Polystyrene Particles-Azide of different particle sizes . The product has uniform particle size and good surface activity. It 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

1378 US-206 Ste 6-126, Skillman, NJ USA
Email: info@abvigenus.com
Tel: 1-816-388- 0112 Fax: 1- 888-616-0161

Characteristics

Concentration: 25 mg/ml

Diameter: 50 nm-100 um

Size: 10 ml

Surface: Azide

Shape: Spherical

Composition: Polystyrene Particles

Buffer: DI water,20 ppm SDS

Form: Suspension

Store: Storage at 2 - 8 °C

Storage

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

For 25 mg/ml of Polystyrene Particles-Azide

Diameter	Conc. mg/ml	Particles/mg	Particles/ml	Diameter	Conc. mg/ml	Particles/mg	Particles/ml
0.05 um	25	1.48E+13	3.71E+14	6 um	25	8.58E+06	2.15E+08
0.1 um	25	1.85E+12	4.64E+13	7 um	25	5.41E+06	1.35E+08
0.2 um	25	2.32E+11	5.79E+12	8 um	25	3.62E+06	9.05E+07
0.3 um	25	6.87E+10	1.72E+12	9 um	25	2.54E+06	6.36E+07
0.4 um	25	2.90E+10	7.24E+11	10 um	25	1.85E+06	4.64E+07
0.5 um	25	1.48E+10	3.71E+11	15 um	25	5.49E+05	1.37E+07
0.6 um	25	8.58E+09	2.15E+11	20 um	25	2.32E+05	5.79E+06
0.7 um	25	5.41E+09	1.35E+11	30 um	25	6.87E+04	1.72E+06
0.8 um	25	3.62E+09	9.05E+10	40 um	25	2.90E+04	7.24E+05
0.9 um	25	2.54E+09	6.36E+10	50 um	25	1.48E+04	3.71E+05
1 um	25	1.85E+09	4.64E+10	60 um	25	8.58E+03	2.15E+05
2 um	25	2.32E+08	5.79E+09	70 um	25	5.41E+03	1.35E+05
3 um	25	6.87E+07	1.72E+09	80 um	25	3.62E+03	9.05E+04
4 um	25	2.90E+07	7.24E+08	90 um	25	2.54E+03	6.36E+04
5 um	25	1.48E+07	3.71E+08	100 um	25	1.85E+03	4.64E+04

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Advantage

Uniform particle size

Good chemical activity

Good water solubility

Good photosensitivity

Applications

Catalyst carrier

Click on Chemistry

Material science

Organic synthesis intermediates

Ordering Information

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Phone: +1 929-202-3014

Email: info@abvigenus.com

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