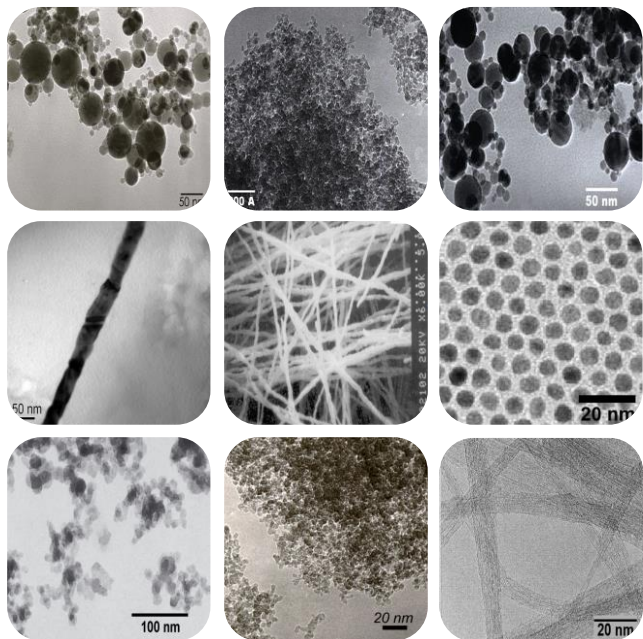
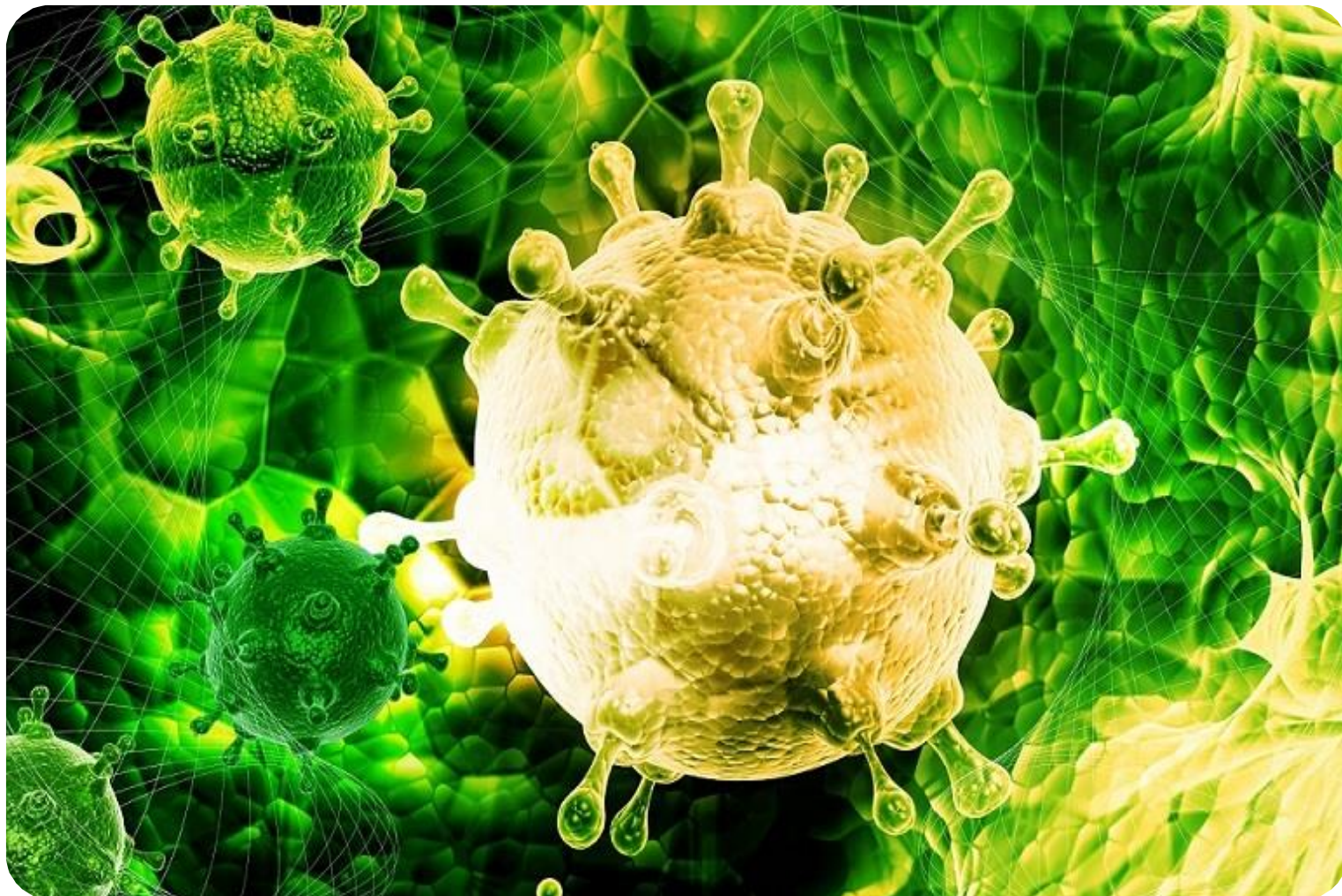


مشخصات فنی
فسفونیک اسیدها

شرکت نانوپزشکی ایلیا
iNanomed نماینده انحصاری شرکت PlasmaChem در ایران



PlasmaChem

آدرس: تهران- خیابان آزادی- ابتدای خیابان خوش جنوبی- نبش کوچه آزاد

تلفن: ۰۲۱-۶۶۵۹۰۳۸۹ فکس: ۰۲۱-۶۶۵۹۰۳۸۹

پست الکترونیک: info@inanomed.ir وبسایت: www.inanomed.ir

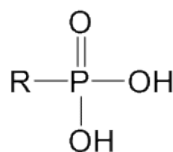
Phosphonic Acids

Alkylphosphonic acids are widely used for production of nanoparticles such as quantum dots, nano-metals, nano-ceramics. By varying the carbohydral chain length one can change the particles' shape and size. Besides, they can be used for coating of many materials (including nanoparticles) by condensed hydrophobic monolayers.

n-Alkylphosphonic acids kit (Code 231)

One kit of all seven n-Alkylphosphonic acids, 5 g. each:

- 1 x PL-HPA-5g
- 1 x PL-OPA-5g
- 1 x PL-DPA-5g
- 1 x PL-DDPA-5g
- 1 x PL-TDPA-5g
- 1 x PL-HDPA-5g
- 1 x PL-ODPA-5g



PL-PA-Kit	1 kit
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n-Hexylphosphonic acid, tech.

(Code 232)



Purity: > 97% MP 93-106°C

White to off-white powder

PL-HPA-1g	1 g
PL-HPA-5g	5 g
PL-HPA-10g	10 g
PL-HPA-50g	50 g

n-Octylphosphonic acid, tech.

(Code 233)



Purity: >97% MP 93-98°C

White to off-white powder

PL-OPA-1g	1 g
PL-OPA-5g	5 g
PL-OPA-10g	10 g
PL-OPA-50g	50 g

n-Decylphosphonic acid, tech.

(Code 234)



Purity: > 97% MP 95-104°C

White to off-white powder

PL-DPA-1g	1 g
PL-DPA-5g	5 g
PL-DPA-10g	10 g
PL-DPA-50g	50 g

n-Dodecylphosphonic acid, tech. (Code 235)



Purity: > 97% MP 90-95°C

White to off-white powder

PL-DDPA-1g	1 g
PL-DDPA-5g	5 g
PL-DDPA-10g	10 g
PL-DDPA-50g	50 g

n-Tetradecylphosphonic acid, tech. (Code 236)



Purity: > 97% MP 80-85°C

White to off-white powder

PL-TDPA-1g	1 g
PL-TDPA-5g	5 g
PL-TDPA-10g	10 g
PL-TDPA-50g	50 g

n-Hexadecylphosphonic acid,

tech. (Code 237)



Purity: > 97% MP 88-93°C

White to off-white powder

PL-HDPA-1g	1 g
PL-HDPA-5g	5 g
PL-HDPA-10g	10 g
PL-HDPA-50g	50 g

n-Octadecylphosphonic acid,

tech. (Code 238)



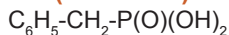
Purity: > 97% MP 95-100°C

White to off-white powder

PL-ODPA-1g	1 g
PL-ODPA-5g	5 g
PL-ODPA-10g	10 g
PL-ODPA-50g	50 g

Benzylphosphonic acid,

tech. (Code 239)



Purity: > 97% MP 173-178°C

White to off-white powder

PL-BZPA-1g	1 g
PL-BZPA-5g	5 g
PL-BZPA-10g	10 g
PL-BZPA-50g	50 g

Benzhydrylphosphonic acid,

tech. (Code 240)



Purity: > 97% MP 230-240°C

White to off-white powder

PL-BHPA-1g	1 g
PL-BHPA-5g	5 g
PL-BHPA-10g	10 g
PL-BHPA-50g	50 g

Metal-Organic Frameworks (MOFs)

MOFs are crystalline compounds consisting of metal ions coordinated to organic molecules to form porous three-dimensional structures. Possible applications include storage of gases such as H_2 and CO_2 , gas purification / separation, in catalysis and as sensors.

ZIF-8, 2-Methylimidazole zinc salt (Code 241)

Specific surface: 1300-1800 m^2/g

Bulk density: ca. 0,3-0,4 g/cm^3 ; Loss on drying: <2%

Can be activated at 100°C (vacuum)

Empirical Formula $\text{C}_8\text{H}_{12}\text{N}_4\text{Zn}$

Molecular weight: 229,6

PL-MOF-ZIF8-1g	1 g
PL-MOF-ZIF8-10g	10 g
PL-MOF-ZIF8-100g	100 g

