

Product Information

Antigen nanoparticle liposomes

Cat. No.: X26-05-ZQ1780

Size: 100 mg; 250 mg; 500 mg; 1 g; 5 g

Synonym: Antigen liposomal nanoparticles; Antigen nanoparticle LPs; Antigen-loaded liposomal nanoparticles

This product is for research use only and is not intended for diagnostic use.

Product Information

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| Description | This hybrid formulation features antigen nanoparticle-loaded liposomes designed as a core-shell polymer-lipid composite reference model. The internal structure consists of rigid polymer nanoparticle cores encapsulating a model immunogenic protein antigen, which are completely enclosed within a self-assembled outer matrix shell of a high-purity phospholipid bilayer. This configuration combines the high mechanical strength and controlled sustained-release kinetics of the polymer core with the biomimetic interface and lower surface energy of a lipid vesicle shell. The resulting hybrid nanostructures exhibit high colloidal stability and a highly uniform spherical morphology. |
| Source | Custom synthesis |
| Functional Group | Antigen |
| Form | Solid or powder |
| Purity | ≥95% |
| Impurities | No visible impurities to the naked eye. |
| Identity | HPLC/MS/NMR |
| Stability | This product is stable for one year when stored at the recommended temperature in lyophilized powder. |
| Quality Level | Research grade |
| Storage | Store at -20°C. |