



Product Information

HER2-targeted nanovesicles

Cat. No.: X26-05-ZQ1745

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

Synonym: HER2-targeted vesicles; HER2-functionalized nanovesicles; HER2-directed vesicular nanocarriers

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

Product Information

Description	This advanced engineered system features human epidermal growth factor receptor 2 targeted nanovesicles engineered as an affinity-coupled reference model. The vesicle architecture utilizes a stable lipid bilayer matrix whose exterior boundary is functionalized with specific anti-human epidermal growth factor receptor 2 (HER2) ligands or monoclonal antibodies linked <i>via</i> polymer-lipid anchors. This precise ligand configuration alters the overall surface topography, membrane packing density, and surface charge profile, creating a dense target-mimetic interface. The resulting sub-micron structures exhibit high colloidal stability and provide a defined model for surface interaction assays in cell-free environments.
Source	Custom synthesis
Functional Group	HER2-targeted antibody or ligand
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.