



Product Information

Lactase liposomes

Cat. No.: X26-05-ZQ2620

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

Synonym: Lactase LPs; Lactase-loaded liposomes; Lactase liposomal nanoparticles

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

Product Information

Description	This biomimetic proteoliposome material features lactase enzyme encapsulated liposomes. The macromolecular architecture consists of a high-purity phospholipid-cholesterol bilayer shell that encapsulates the active regulatory enzyme lactase (beta-galactosidase) entirely within its central aqueous reservoir. This precise configuration shields the active tetrameric protein structures from premature chemical cleavage or rapid denaturing unfoldings in open laboratory setups, while completely preventing macromolecular self-aggregation or rapid phase separation across the lipid boundary.
Source	Custom synthesis
Functional Group	Lactase
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.