



Product Information

Targeted epalrestat liposomes

Cat. No.: X26-05-ZQ2570

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

Synonym: Targeted epalrestat LPs; Targeted epalrestat liposomes; Targeted epalrestat liposomal nanocarriers

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

Product Information

Description	This advanced engineered system features ligand-functionalized epalrestat liposomes. The structural framework incorporates the aldose reductase inhibitor epalrestat within its lipophilic or aqueous core domains, while its exterior boundary is surface-modified with specific targeting ligands linked <i>via</i> polymer anchors. This precise surface modification alters the surface hydration parameters and surface charge topography, establishing a dense target-mimetic ligand array that completely prevents physical vesicle aggregation while protecting the volatile rhodanine-3-acetic acid derivative core from rapid chemical degradation.
Source	Custom synthesis
Functional Group	Epalrestat
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.