

Product Information

Targeted curcumin liposomes

Cat. No.: X26-05-ZQ2577

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

Synonym: Targeted curcumin LPs; Targeted curcumin liposomes; Targeted curcumin 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 curcumin liposomes. The structural matrix incorporates the highly hydrophobic polyphenol compound curcumin directly within the lipophilic hydrocarbon tail core and interfacial zones of a high-purity phospholipid-cholesterol bilayer framework, whose exterior boundary is surface-modified with specific targeting ligands linked <i>via</i> polymer anchors. This precise modification coordinates a dense target-mimetic ligand array with an optimized lipid layout, completely preventing physical vesicle aggregation while protecting the volatile diferuloylmethane core from rapid chemical degradation or crystallization in open laboratory media.
Source	Custom synthesis
Functional Group	Curcumin
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.