



## Product Information

### Neuroprotective curcumin liposomes

**Cat. No.:** X26-05-ZQ2575

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

**Synonym:** Neuroprotective curcumin LPs; Neuroprotective curcumin liposomes; Neuroprotective curcumin liposomal formulations

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

#### Product Information

<b>Description</b>	This formulation features curcumin liposomes engineered to incorporate a polyphenol compound within a stable vesicle matrix. 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, utilizing an optimized lipid layout to maximize structural stability. This configuration isolates the volatile diferuloylmethane rings from direct water contact channels, completely preventing rapid chemical degradation, oxidation, and crystallographic phase separation of the hydrophobic drug in open aqueous suspension.
<b>Source</b>	Custom synthesis
<b>Functional Group</b>	Curcumin; Neuro-optimized lipid shell
<b>Form</b>	Solid or powder
<b>Purity</b>	≥95%
<b>Impurities</b>	No visible impurities to the naked eye.
<b>Identity</b>	HPLC/MS/NMR
<b>Stability</b>	This product is stable for one year when stored at the recommended temperature in lyophilized powder.
<b>Quality Level</b>	Research grade
<b>Storage</b>	Store at -20°C.