

## Product Information

### Dexamethasone liposomes

**Cat. No.:** X26-05-ZQ2568

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

**Synonym:** Dexamethasone LPs; Dexamethasone-loaded liposomes; Dexamethasone liposomal nanoparticles

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

#### Product Information

<b>Description</b>	This formulation features dexamethasone liposomes engineered to incorporate a synthetic glucocorticoid within a stable vesicle matrix. The structural matrix incorporates the hydrophobic corticosteroid compound dexamethasone directly within the lipophilic hydrocarbon tail regions and deep core domains of a high-purity phospholipid-cholesterol bilayer shell. This precise configuration accommodates the steroid ring structure within the fluid lipid phase, preventing rapid crystallization, phase separation, and chemical oxidation of the volatile cargo in open aqueous suspension while maintaining high baseline colloidal parameters.
<b>Source</b>	Custom synthesis
<b>Functional Group</b>	Dexamethasone
<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.