

## Product Information

### Cucurbitacin liposomes

**Cat. No.:** X26-05-ZQ1081

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

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

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

#### Product Information

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|-------------------------|--|
| <b>Description</b>      | This product contains cucurbitacin liposomes structured to improve the chemical stability and aqueous dispersion of a highly hydrophobic triterpenoid compound. The vesicle structure utilizes a rigidified phospholipid bilayer composed of saturated lipids and cholesterol that accommodates cucurbitacin within its interior hydrocarbon core. This configuration prevents the rapid crystallization and precipitation of the triterpenoid chains in open aqueous media. The resulting vesicles exhibit a highly uniform spherical morphology and high physical stability in suspension. |
| <b>Source</b>           | Custom synthesis   |
| <b>Functional Group</b> | Cucurbitacin   |
| <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.  |