

## Product Information

### Febantel liposomes

**Cat. No.:** X26-05-ZQ1683

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

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

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

#### Product Information

<b>Description</b>	This formulation represents febantel liposomes designed to stabilize and solubilize a highly hydrophobic fenbendazole prodrug compound. The structural framework consists of a phosphatidylcholine lipid bilayer that accommodates the active phenylguanidine molecule, febantel, directly within its interior lipophilic hydrocarbon core. The composition is highly optimized with high-purity natural phospholipids and cholesterol to maintain low membrane permeability and prevent the rapid crystallographic precipitation of the prodrug structure in open laboratory media. The resulting vesicles exhibit high colloidal stability, a highly uniform spherical morphology, and a narrow size distribution profile.
<b>Source</b>	Custom synthesis
<b>Functional Group</b>	Febantel
<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.