

Product Information

DOX-loaded UCNPs

Cat. No.: X26-05-ZQ386

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

Synonym: Doxorubicin-loaded UCNPs; DOX-encapsulated upconversion nanoparticles; DOX-modified UCNP drug carriers

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

Product Information

Description	These doxorubicin (DOX) loaded upconversion nanoparticles (UCNPs) consist of a luminescent core that has been surface-functionalized or encapsulated to host doxorubicin molecules. The composition is designed to study the interaction between the optical core and the loaded molecular guests. The structure serves as a model for investigating light-monitored release and energy transfer in molecular delivery research.
Source	Custom synthesis
Functional Group	DOX
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.