

Product Information

Up/down-conversion multicolor luminescent nanoparticles

Cat. No.: X26-05-ZQ190

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

Synonym: UC/DC luminescent nanophosphors; Multicolor upconversion and downconversion nanoparticles; Dual-mode luminescent nanocrystals

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

Product Information

Description	These up/down-conversion multicolor luminescent nanoparticles consist of rare-earth doped crystalline hosts capable of emitting light through both upconversion and down-conversion processes. The composition is engineered with multiple lanthanide activators that exhibit distinct emission colors under different excitation wavelengths. The resulting structure provides a versatile platform for multi-mode light conversion and anti-counterfeiting research applications.
Source	Custom synthesis
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.