



Product Information

NaYF₄ down-conversion luminescent materials

Cat. No.: X26-05-ZQ226

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

Synonym: NaYF₄-based DC phosphors; NaYF₄ down-conversion nanoparticles; NaYF₄ DC materials

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

Product Information

Description	These sodium yttrium fluoride (NaYF ₄) down-conversion luminescent materials consist of a fluoride matrix doped with lanthanide ions that exhibit visible or near-infrared emission under higher-energy excitation. The composition utilizes the low phonon energy of the NaYF ₄ host to maximize the efficiency of the down-conversion process. The resulting structure is designed for fundamental research into lanthanide photophysics.
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.