

Product Information

Upconverting materials NaYF₄:Er³⁺

Cat. No.: X26-05-ZQ270

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

Synonym: Er³⁺-doped NaYF₄; Erbium-activated upconversion materials; NaYF₄:Er³⁺ nanophosphors

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

Product Information

Description	These upconverting materials sodium yttrium fluoride erbium (NaYF ₄ :Er ³⁺) consist of a fluoride crystalline matrix doped with erbium ions as the primary activator. The composition is designed to demonstrate efficient infrared-to-visible conversion, typically emitting green and red light. The structure is a fundamental research tool for studying the photophysical properties of erbium-doped fluoride lattices.
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.