

Product Information

NaYF₄:Yb,Tm

Cat. No.: X26-05-ZQ324

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

Synonym: NaYF₄:Yb,Tm; Blue-emitting Yb/Tm co-doped nanocrystals; NaYF₄-based blue nanophosphors

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

Product Information

Description	These sodium yttrium fluoride ytterbium thulium (NaYF ₄ :Yb,Tm) nanoparticles are high-efficiency blue light converters. The composition utilizes the thulium activator to produce blue and ultraviolet emission bands under 980 nm near-infrared excitation. The structure is a fundamental tool for researching high-energy light conversion and thulium-based energy migration.
Source	Custom synthesis
Excitation	980 nm
Color of Fluorescence	Blue
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.