



Product Information

Er³⁺/Yb³⁺:Al₂O₃ UCNPs

Cat. No.: X26-05-ZQ809

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

Synonym: Yb,Er:Al₂O₃ nanophosphors; Erbium/Ytterbium co-doped alumina UCNPs; Al₂O₃-host upconversion nanoparticles

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

Product Information

Description	These materials feature erbium and ytterbium ions doped within a rigid aluminum oxide (Al ₂ O ₃) matrix. The structure is characterized by high thermal stability and mechanical hardness provided by the alumina framework. This refractory host protects the lanthanide dopants from environmental degradation even under extreme physical conditions.
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.