



Product Information

Rare-earth doped NaREF₄ UCNPs

Cat. No.: X26-05-ZQ810

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

Synonym: Lanthanide-doped sodium rare-earth fluorides; NaREF₄:RE nanophosphors; RE-activated NaREF₄ UCNPs

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

Product Information

Description	This is a foundational class of upconverting nanocrystals where the host rare-earth cation (RE = Y, Gd, Lu, or La) is systematically varied. The structure consists of a sodium rare-earth fluoride matrix that can be tuned to either the cubic (
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.