CD BioGlyco
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Product Information

Perovskite-based UCNPs

Cat. No.: X26-05-ZQ868

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

Synonym: Perovskite-structured UCNPs; Perovskite-host upconversion nanoparticles; Perovskite-modified RE-nanostructures

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

Product Information

Description	These specialized materials integrate lanthanide upconverting ions directly into a perovskite crystalline lattice, or couple upconverting fluoride cores with an outer perovskite shell. The structure leverages the strong light absorption and high charge-carrier mobilities inherent to the perovskite framework while embedding anti-Stokes luminescent centers. The unique crystal coordination alters the transition probabilities of the guest rare-earth ions.
Source	Custom synthesis
Functional Group	Perovskite
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 -20ºC.