



## Product Information

### Oligo(dT) modified UCNPs

**Cat. No.:** X26-05-ZQ726

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

**Synonym:** Oligo(dT)-functionalized UCNPs; dT-oligonucleotide-modified UCNPs; Oligo(dT)-conjugated upconversion nanophosphors

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

#### Product Information

<b>Description</b>	These oligodeoxythymidine modified upconverting nanoparticles (UCNPs) feature a surface coating of thymine-rich DNA oligonucleotides. The oligo(dT) strands allow for the specific hybridization with polyadenylated sequences, facilitating the directed assembly of nanoparticles or the capture of target molecules in chemical research. These particles are used for studying DNA-driven self-assembly and the development of background-free optical sensing platforms.
<b>Source</b>	Custom synthesis
<b>Functional Group</b>	Oligo(dT)
<b>Form</b>	Solid or powder
<b>Purity</b>	≥95%
<b>Impurities</b>	No visible impurities to the naked eye.
<b>Identity</b>	HPLC/MS/NMR
<b>Stability</b>	This product is stable for one year when stored at the recommended temperature in lyophilized powder.
<b>Quality Level</b>	Research grade
<b>Storage</b>	Store at -20°C.