

## Product Information

### N<sub>3</sub>-functionalized UCNPs

**Cat. No.:** X26-05-ZQ239

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

**Synonym:** Azide-modified UCNPs; N<sub>3</sub>-terminated upconversion nanoparticles; Azido-functionalized UCNPs

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

#### Product Information

|                         |  |
|-------------------------|--|
| <b>Description</b>      | These azide (N <sub>3</sub> )-functionalized upconversion nanoparticles (UCNPs) consist of a luminescent fluoride core surface-modified with azide groups for "click" chemistry applications. The composition is engineered to provide a robust and reactive handle for the rapid attachment of alkyne-containing molecules. The physical structure ensures that the optical properties of the core are preserved during the subsequent chemical modification steps. |
| <b>Source</b>           | Custom synthesis   |
| <b>Functional Group</b> | Azide  |
| <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.  |