

NS6130-12-001221

TERBIUM-DOPED YTTRIUM OXIDE Sulfide

Quick Facts

| | | |
|-------------------|---|-------------------------------------|
| Product | : | Terbium-Doped Yttrium Oxide Sulfide |
| Stock No | : | NS6130-12-001221 |
| CAS | : | 208778-33-0 |
| Molecular Formula | : | Y ₂ O ₂ S: Tb |
| Form | : | Powder |
| APS | : | 50-80nm |

Purity
99.9%

Terbium-doped yttrium oxide sulfide nanopowder is a type of nanopowder that is composed of yttrium oxide, sulfur, and terbium ions. It is commonly used in the production of luminescent materials, such as phosphors, due to its unique optical properties.

The addition of terbium ions to yttrium oxide sulfide nanopowder allows for the emission of green and blue light when excited by ultraviolet light. This property makes it useful in a range of applications, including lighting, display technologies, and biomedical imaging.

Applications:

- Optoelectronics
- Security printing
- Biomedical imaging
- Luminescent thermometry
- Nuclear waste storage

Y₂O₂S: Tb

APS 50-80nm



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20ZICE4589C



19ZAZGO1274G



20ZICE4588M

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